

2004-2005 CALENDAR

UNIVERSITY OF PRINCE EDWARD ISLAND

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Cover Photo: John Sylvester Photography



NOTES

- I.
 - (a) Contents of this calendar are subject to continuing review;
 - (b) Students, upon registering, agree to be, and shall be, bound by the regulations and policies of the University of Prince Edward Island as published in the Calendar (electronic or paper version) or otherwise enacted by the University;
 - (c) The University of Prince Edward Island reserves the right to alter anything described herein without notice, and every student registering shall be deemed to have agreed to any such alteration whether made before or after said registration.
- II.
 - (d) The University of Prince Edward Island does not accept responsibility for any loss, damage, or interruption of classes suffered by a student as a result of strikes, lockouts, weather, or any other cause beyond the reasonable control of the University.

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I. The University of Prince Edward Island—General

HISTORY

The University of Prince Edward Island has a longstanding tradition of academic excellence dating back to the early 19th century, with roots in its predecessor institutions, Prince of Wales College (PWC) and St. Dunstan's University (SDU). In 1969, the University of Prince Edward Island (UPEI) was incorporated by an Act of the Provincial Legislature.

The commitment to education as a primary factor in PEI's development can be traced to debates of the colony's earliest legislative council. A particular champion was Lieutenant-Governor Edmund Fanning (1786–1805). Fanning actively promoted the view that education was central to the colony's progress, and that it should be seen as a priority, along with the enhancement of agriculture, fisheries, commerce, and population growth. In 1804, he personally donated the land on which PWC was to stand “for the purpose of laying the foundation of a College thereon.” Kent College, later to become Prince of Wales College, opened in 1820. A related predecessor institution, Central Academy, received a Royal Charter in 1834. In 1860 the Colleges were renamed for the Prince of Wales in honour of the visit of the future King Edward VII. Today, the land donated by Lieutenant-Governor Fanning is occupied by Holland College.

The predecessor of St. Dunstan's University, St. Andrew's College, was founded in 1831 under the leadership of Bishop Angus MacEachern. St. Dunstan's College was established in 1855 by Bishop Bernard MacDonald on a large farming property which today is surrounded by the expanding city of Charlottetown. This property, including the historic Main Building, serves as the UPEI campus. The campus is well-known for its historic architecture and for its red-brick, well-manicured appearance.

The University's campus is a reflection of the character of UPEI on many levels—a complementary blend of old and new, of tradition and innovation. Original SDU buildings have been renovated tastefully to retain integrity of design while meeting modern standards, and many buildings have been integrated into the campus, including the Utilities Building (1973), Blanchard Hall (1973), the Robertson Library (1975), the Atlantic Veterinary College (1986), the Chi-Wan Young Sports Centre (1990), the Wanda Wyatt Dining Hall (1990), the K.C. Irving Chemistry Centre (1997), and the W. A. Murphy Student Union Centre (2002).

The depth of UPEI's academic heritage is reflected not only in the buildings and scholarships named in honour of education pioneers and benefactors, but also in personal, day-to-day connections. Graduates of SDU and PWC teach at UPEI, children of current and former faculty and staff

attend the University, and many families proudly report multi-generational alumni connections to the institution. Now numbering more than 13,000, alumni of UPEI, SDU, and PWC—whether in Prince Edward Island, elsewhere in Canada, or abroad—maintain a close sense of connection with their University.

UPEI has seen important developments in its programming over the past 30 years. Bachelors' programs, in many cases including “honours” options, are available in Arts, Science, Business Administration, Education, and Nursing. Co-op programs have been established in Business Administration, Computer Science, Physics, and Dietetics. One new Faculty, Veterinary Medicine, and two schools, Business Administration and Nursing, were added as the University expanded. Master's and Doctoral degree programs were first introduced through the Atlantic Veterinary College and, beginning in 1999, a Master of Science degree was offered through the Faculty of Science. In that same year the first students were admitted to the University's new Master of Education program. In 2003, the first classes in the Master of Arts in Island Studies program began.

Underlying the University's programs and activities is a commitment to rigorous study and inquiry, belief in the value of knowledge, lifelong capacity-building, and the development of the whole person—along with a sense of community at UPEI and in its local, regional, national, and international contexts. Faculty in all disciplines produce research and scholarly works of national and international calibre, while continuing to give priority to UPEI's well-earned reputation for high-quality teaching characterized by individual attention. With all of these developments, and with its rich heritage, UPEI is justly proud to say that it is “a great small university.”

The University of Prince Edward Island is fortunate to have been served by a succession of outstanding Chancellors and Presidents/Vice-Chancellors, installed as follows:

SERVING AS CHANCELLOR:

- The Honourable Thane A. Campbell, CC, MA, LLD
—May 14, 1970
- Gustave Gingras, CC, MD, FRSA, LLD, FRCP(c)
—May 12, 1974
- David Macdonald Stewart, CM, CStJ, KLJ, FRSA, FHS(c),
Hon LLD, Hon DBA
—October 1, 1982

- The Honourable Gordon L. Bennett, OC, BSc, MSc, LL.D., DCL
—March 9, 1985
- Doris H. Anderson, OC, BA, LL.D.
—October 24, 1992
- Norman Webster, CM, BA, MA, DCL
—November 2, 1996
- William Andrew, Dip Eng, BEng
—Chancellor Elect

SERVING AS PRESIDENT AND VICE-CHANCELLOR:

- Ronald J. Baker, OC, BA, MA, LL.D.
—May 14, 1970
- Peter P. M. Meincke, BSc, MA, PhD
—September 23, 1978
- C. W. J. Eliot, CM, BA, MA, PhD, DCL
—October 19, 1985
- Elizabeth R. Epperly, BA, MA, PhD
—October 14, 1995
- Lawrence E. Heider, DVM
—August 16, 1998 (acting)
- H. Wade MacLauchlan, BA, LL.B, LL.M.
—October 3, 1999

CHARACTERISTICS

Every university is a community of scholars engaged in the pursuit of truth. It seeks in particular those truths which liberate human beings by helping them to know themselves and the world around them, and by enabling them to order their own lives so as to achieve their proper ends. It seeks to promote respect for the worth and dignity of every individual. It seeks to develop, along with specific skills, creativity, the capacity for critical thought, and the ability and desire to learn throughout life.

The university within western civilization has a special commitment to seek and to study the truths of that civilization by examining its values and its institutions, by weighing them against those of other traditions, and by transmitting the best that has been thought and said and done. It is the critic as well as the repository of cultural heritage. The independence of thought and the freedom of inquiry characteristic of the university guarantee that the assumptions underlying society, including those underlying the university, are continually challenged and renewed.

Thus, since all universities strive for excellence, UPEI cannot differ from any other university in its general purposes. Nevertheless, certain distinguishing characteristics set this University apart. First is determination. Despite Prince Edward Island's size and location, the University has been founded and sustained by the smallest province in Canada. Moreover, UPEI has determined to offer an education that encompasses a wide range of programs in Arts and Sciences, Education, Music, Engineering, Business Administration, Veterinary Medicine, and Nursing, taught by a faculty drawn from many of the world's universities.

The second characteristic is tradition, for although UPEI is one of Canada's youngest universities, the Island's commitment to higher education has a long history. The people of the province have sought to have quality education in their midst ever since the founding of UPEI's predecessor institutions, the Central Academy, Prince of Wales College, St. Andrew's College, and St. Dunstan's University, beginning well over 150 years ago. In response to that commitment, UPEI was established to provide Prince Edward Island with undergraduate education of a standard equal to any available in other provinces of Canada.

The third characteristic is potential. Since the province is an island, it possesses an advantageous capability of showing the development of life in its fullness. It is the duty of any university serving such a society both to present a vision of the wholeness of life and to promote the integration of knowledge. To that end, the education available to students at UPEI seeks to balance research, teaching, and service to the community.

MISSION, GOALS, AND ACCREDITATION

The University of Prince Edward Island, founded on the tradition of liberal education, exists to encourage and assist people to acquire the skills, knowledge, and understanding necessary for critical and creative thinking, and thus prepare them to contribute to their own betterment and that of society through the development of their full potential. To accomplish these ends, the University is a community of scholars whose primary tasks are to teach and to learn, to engage in scholarship and research, and to offer service for the benefit of our Island and beyond.

The University of Prince Edward Island is a member of the Association of Universities and Colleges of Canada, the International Association of Universities, and the Association of Atlantic Universities.

GOVERNANCE AND STRUCTURE

The University is governed by a Board of Governors and a Senate, instituted under the terms of the University Act. The twenty-two-member Board consists of nine members appointed by the Lieutenant-Governor-in-Council; the Chancellor of the University; the President of the University; the President of Holland College; two members elected from the Senate; two members elected from the teaching faculty; two members elected from the Alumni; two members elected from the student body; and two members elected by the Board.

The Senate is composed of the President of the University; the Vice-Presidents of the University; the Deans of Faculties and Schools; the Registrar; the University Librarian; the Director of the Centre for Life-Long Learning; six members of the student body, at least one of whom is a mature or part-time student, or both; the President of the Student Union; one member of the Board of Governors; one member of the Alumni Association; and twenty-two members elected from the full-time teaching faculty.

The courses offered by the University lead to degrees in Arts, Science, Business Administration, Education, Music, Veterinary Medicine, Nursing, and Radiography. At its Convocation Exercises in May 2004, the University conferred 586 bachelor's degrees, 57 DVM degrees, 29 master's degrees, and 2 doctoral degrees.

The full-time teaching staff for the 2004–2005 sessions totals approximately 200 persons. The University had an enrolment of 3,289 full-time and 600 part-time students in its thirty-sixth academic year which began in September 2004.

The University of Prince Edward Island is divided into four faculties: Arts, Science, Education, and Veterinary Medicine; and two schools: Business Administration and Nursing.

The Faculty of Arts is comprised of the Departments of Classics, Economics, English, History, Modern Languages, Music, Philosophy, Political Studies, Psychology, Religious Studies, Sociology and Anthropology; with programs in Asian Studies, Canadian Studies, Environmental Studies, Fine Arts, Island Studies, Print Journalism, Public Administration, Theatre Studies, University Writing, and Women's Studies.

The Faculty of Science is comprised of the Departments of Biology, Chemistry, Engineering, Family and Nutritional Sciences, Mathematics and Statistics, Computer Science and Information Technology, and Physics; with a program in Radiography.

The Faculty of Veterinary Medicine is comprised of the Departments of Biomedical Sciences, Companion Animals, Health Management, and Pathology and Microbiology.

All faculties offer courses at the undergraduate level. Graduate degrees are offered in the Faculties of Arts, Education, Science, and Veterinary Medicine.

UNIVERSITY POWERS

The University of Prince Edward Island was incorporated in 1969 by an Act of the Prince Edward Island Legislature. As amended in 1998, the Act empowers the University “to establish and maintain such faculties, schools, institutes and departments, chairs and courses . . . as are deemed necessary to carry out its purpose . . . and to grant earned certificates, diplomas and degrees at all levels.”

DISCLOSURE AND PROTECTION OF STUDENT INFORMATION

Confidentiality

UPEI is committed to taking every reasonable step to protect the confidentiality of the information contained in the records of students. The Registrar's Office is responsible for the storage, management, conservation, and dissemination (within the parameters of these Student Records Management policies) of all official student records, electronic and otherwise. Any file kept in offices other than the Office of the Registrar (student services, financial aid, special needs, library services, accounting, academic departments, etc.) will also be securely maintained and managed in the strictest confidence according to UPEI's policies. Exceptions to the policies outlined below may be made at the discretion of the Registrar.

Collection of information

An applicant provides pertinent personal information on application to the University and thereby authorizes the institution to maintain henceforth his/her record on acceptance of the offer to enroll at UPEI. (Records of applicants who are not admitted or who decline an offer of admission are destroyed at the end of the admissions cycle.)

Though not exhaustive, the following list of items are or may be contained in the Registrar's Office files of student records:

- the application and documentation attached therewith;
- personal information (address, date of birth, Social Insurance Number, marital status, etc.);
- enrolment information (records of registration, course or program changes, advising, etc.);
- performance information (grade reports, appeals, degrees attained, transcripts, etc.);
- medical information relevant to the student's academic performance (special needs-related information; documentation attached to an appeal for Discontinuation, etc.);
- proof of payment/student account information; and
- any correspondence submitted to/issued by the Registrar's Office deemed by the Registrar to be appropriate for inclusion.

Disclosure to Parties External to UPEI

Unless compelled to do so by law or authorized by the student in writing, UPEI will not disclose the contents of student records to any party outside the University. This includes the student's name, address, and current registration status, though the Registrar's Office will verify what degrees, diplomas, or certificates have been awarded to an individual and in what year. Exceptions are noted below:

1. **Researchers**
Non-student researchers may be given access by the Registrar on written request provided that confidentiality and anonymity of student records are guaranteed as per signed agreement.
2. **Government agencies**
Information will be provided routinely to the Maritime Provinces Higher Education Commission (which works in partnership with Maritime universities and Statistics Canada) and, under Federal legislation, to Statistics Canada (for institutional and enrolment research purposes). Such data is used only for statistical purposes and identification of students is prevented under the confidentiality provisions of the Statistics Act. Students who do not wish to have their information used are asked to contact Statistics Canada to remove their identifying information from the national database.
3. **Legally Mandated Disclosure**
Specified records or portions thereof may be provided without student consent to persons or agencies pursuant to a judicial/court order, summons, or subpoena directing the University to release information.
4. **Emergency Disclosure**
In situations involving threats to the health or safety of an individual student or employee, the Registrar reserves the right to authorize the release of relevant information without obtaining prior consent from the student(s) involved.

Access to Student Records by UPEI Community Members

1. Student access to own records
 - a) **Files:** Students have the right to inspect all documents contained in their files—except for letters/evaluations submitted in confidentiality by referees—upon 24 hours' notice in writing to the Registrar's Office. An appointment will be set up with an authorized official of the Registrar's Office for the viewing of their records. Copies will not be provided.

- b) **Transcripts:** Copies of student transcripts will be provided to the student or directly to an external party (employer, educational institution, etc.) upon written request submitted in person, by fax, or by e-mail (sent from a verified UPEI account). Official transcripts will not be released in sealed envelopes to students, but will be issued directly to the third party, unless documentation from that third party so instructs the Office. Requests from students with fees owing to the University will not be processed.
- c) **Release of Grades:** Final grades are posted on the website after the examination period has ended and after all marks have been received in the Registrar's Office. Students may access this information using their student identification and secure PIN numbers. Faculty who post evaluation results or grades, final or otherwise, for student viewing will use only student identification numbers in ascending or descending numerical order. In the case of final grades, posting is not permitted until the examination period has ended. Under no circumstances will assignments be left in a public place for student pick-up.
2. Third-party access
- a) **Student Organization Access to Student Names and Addresses:** Student organizations may request listings of student names, addresses, e-mails, or phone numbers solely for the purpose of communicating with their membership. Such requests must be made in writing, signed by the organization's authorized officer, and sent to the Registrar's Office for approval. All student organizations requesting information in this manner guarantee that the lists will not be disclosed to any other individual or group, will not be used in the context of commercial activity, and will not be used for any purpose other than that specified in the original request (except with written approval of such a request from the Registrar).
- b) **Individual Student Access to Other Students' Contact Information:** The University will not provide student phone numbers, addresses, or e-mail addresses to individual students requesting the information. Instead, the Registrar's Office will make every effort to contact the student on behalf of the inquirer in order to communicate an urgent message.
- c) **Class lists:** Employees and faculty will not distribute, post, or make available to students copies of class lists that include student names with ID numbers, major, year of study, course name, timetable, or location, addresses, e-mail addresses, or phone numbers.
- d) **Employee (Faculty and Staff) access:** Within the University, departments and/or individuals will have access to information contained in a student file/record on a "need-to-know" basis. Access will be granted only to that portion of the file/record that is relevant to the employee's official purpose/function at UPEI, as decided by the Registrar. Deans and Chairs will have access to all academic grades for those students enrolled in their Faculty and department, respectively.

DEGREES, DIPLOMAS, & CERTIFICATES OFFERED AT UPEI

BACHELOR-LEVEL PROGRAMS

Bachelor of Arts Degree

Majors

Anthropology
 Canadian Studies
 Economics
 English
 History
 Modern Languages
 French
 German
 Spanish
 Music
 Philosophy
 Political Studies
 Psychology
 Religious Studies
 Sociology
 Sociology/Anthropology

Minors

Anthropology
 Asian Studies
 Canadian Studies
 Classics
 Economics
 English
 Environmental Studies
 Fine Arts
 French
 German
 History
 Island Studies
 Philosophy
 Political Studies
 Religious Studies
 Sociology
 Spanish
 Theatre Studies
 University Writing
 Women's Studies

Honours & Honours Conversion

English
 History
 Psychology
 Sociology/Anthropology

Bachelor of Applied Arts in Print Journalism

Bachelor of Music

Bachelor of Music Education

Bachelor of Science Degree

Majors

Biology
 Chemistry
 Computer Science
 Computer Science—Co-operative Education
 Family Science
 Foods & Nutrition
 Mathematics

Physics
Math with Engineering
Physics with Engineering
Physics Co-operative Education
Psychology

Minors

Biology
Chemistry
Computer Science
Family Science
Foods & Nutrition
Mathematics
Physics
Statistics

Honours & Honours Conversion

Biology
Chemistry
Foods & Nutrition
Mathematics
Physics
Psychology

Bachelor of Science in Nursing

Business Administration

Bachelor of Business Administration
Honours & Honours Conversion
Co-operative Education

Minors

Business Administration
Business Information Technology

Accelerated Bachelor of Business

Bachelor of Business in Tourism & Hospitality

“2ND-ENTRY” PROFESSIONAL PROGRAMS

Bachelor of Applied Science in Radiography
Bachelor of Education
Bachelor of Education in French Immersion
Doctor of Veterinary Medicine

GRADUATE-LEVEL PROGRAMS

Master of Arts in Island Studies
Master of Applied Health Services Research
Master of Science—Faculty of Science
Master of Science—Faculty of Veterinary Medicine
Master of Veterinary Science
Master of Education
Doctor of Philosophy

CERTIFICATES & DIPLOMAS

Accounting Certificate
Adult Education Diploma
Business Certificate
Certificate in Finance & Economics
Certificate in Human Resources Management
Certificate in Inclusive Education
Certificate of Proficiency in Conversational Spanish
Engineering Diploma
Graduate Certificate in School Librarianship
Postgraduate Diploma in Pathology or Microbiology
Public Administration Certificate/Diploma

ACADEMIC COSTUME

University gowns should be of black worsted or similar material with full sleeves, and reach to within twelve inches of the floor. The cap shall be the regulation cap and should be of the same material. Graduates of the University of Prince Edward Island shall be permitted to wear the University hood, with borders coloured as follows:

Bachelor of Arts: White

Bachelor of Applied Arts in Print Journalism: Crimson

Bachelor of Business Administration: Drab

Bachelor of Business in Tourism and Hospitality:
Burgundy

Bachelor of Education: Light Blue

Master of Education: Light Blue

Bachelor of Music: Pink

Bachelor of Music Education: Mauve

Bachelor of Science: Golden Yellow

Bachelor of Science in Nursing: Apricot

Bachelor of Applied Science in Radiography: Blue and Gold

Doctor of Veterinary Medicine: Grey

Master of Science: Golden Yellow

Master of Veterinary Science: Peacock

Doctor of Philosophy: Grey and Green

Master of Arts in Island Studies: to be determined

Master of Applied Health Services Research:
to be determined



2. Faculty and Academic Officers

FACULTY

- Abbott, Lewis**, BSc (Acadia), MSc, MD (Dalhousie)
Adjunct Professor of Health Management
- Ackman, Robert**, BA (Toronto), MSc (Dalhousie), PhD (London)
Adjunct Professor of Health Management
- Adams, Rick**, BBA (UPEI), CA
Sessional Lecturer in Business Administration
- Ali, Mian Bagh**, BA (Lahore), MA (Punjab), MS, PhD (Idaho)
Associate Professor of Economics
- Anderson, Doris M.**, BSc (HEC) (Acadia), MSc (Cornell)
Professor Emeritus of Family & Nutritional Sciences
- Arsenault, Kevin J.**, BA (UPEI), MA (Windsor), PhD (McGill)
Adjunct Professor of Religious Studies
- Baccanale, Cecile**, DVM (Montreal)
Assistant Professor of Pathology & Microbiology
- Baldacchino, Godfrey**, BA (Malta), MBA, PhD (Warwick)
Associate Professor of Sociology & Anthropology
- Barkema, Herman**, DVM, MSc, PhD (Utrecht)
Associate Professor of Health Management
- Barrett, Mark**, BA (UPEI), MA (Windsor)
Sessional Lecturer in University 100
- Bartmann, Barry**, BA (Waterloo Lutheran), MA (Western), PhD (London)
Professor of Political Studies
- Bate, Luis A.**, BSc, MSc, PhD (Guelph)
Professor of Physiology
- Beck, Callum V.**, BA (UPEI), MA (Emmanuel)
Adjunct Professor of Religious Studies
- Bellamy, Craig**, BSc (UPEI), DVM (Guelph)
Adjunct Professor of Health Management
- Bellamy, James E. C.**, DVM (Guelph), PhD (Saskatchewan)
Professor of Clinical Pathology
Associate Dean, Graduate Studies & Research
- Bissessur, Rabin**, BSc (Manitoba), MSc (Rochester), PhD (Michigan State)
Associate Professor of Chemistry
- Bolger, Francis W. P.**, BA (SDU), STL (Montreal), MA, PhD (Toronto)
Professor Emeritus of History
- Bootland, Linda**, PhD (Guelph)
Adjunct Professor of Pathology & Microbiology
- Bourne, Lesley-Anne**, BA (York), MFA (UBC)
Lecturer in English and University 100
- Boylan, Douglas**, BA (Carleton), BLS (McGill)
Lecturer of History
- Boyles, Ann**, BA, MA, PhD (UNB)
Sessional Lecturer in English
- Braithwaite, Ann**, BA (Concordia), MA (McGill), PhD (Rochester)
Associate Professor of Women's Studies
- Brockhouse, Charles**, BSc, MSc, PhD (Toronto)
Adjunct Professor of Biology
- Brookes, Anne-Louise**, MA (McMaster), MA (UNB), PhD (Toronto)
Assistant Professor of Education
- Brosnan, Sean (John T.)**, BSc, MSc (National University of Ireland), PhD (Oxford)
Adjunct Professor of Biomedical Sciences
- Brown, Laura**, BSc (McGill), MSc (Simon Fraser), PhD (UBC)
Adjunct Professor of Pathology & Microbiology
- Brown, Susan**, BA (Dalhousie), MA (Guelph), PhD (Oxford)
Associate Professor of History
- Bryanton, Janet**, BN (UNB), MN (Dalhousie)
Assistant Professor of Nursing
- Buck, D. F.**, BA, MPA (Queen's), DPhil (Oxford)
Professor of Classics
- Buck, Lorraine P.**, BA, MA (Bishop's), PhD (Ottawa & Dalhousie)
Adjunct Professor of Religious Studies
- Bulger, David**, BA, MA (St. Mary's), LLB (Dalhousie), LLM (Toronto)
Adjunct Professor of Political Studies & Philosophy
- Burka, John F.**, BSc (Toronto), MSc, PhD (Guelph)
Professor of Pharmacology
- Burke, Maxim R.**, BSc (Moncton), MSc, PhD (Toronto)
Professor of Mathematics & Statistics
- Burton, Shelley**, DVM (Saskatchewan), MSc (UPEI)
Associate Professor of Clinical Pathology
- Butler, Frank**, BA (UPEI), MA (Dalhousie)
Sessional Lecturer in Economics
- Byrne, Philip**, BSc, MSc, PhD (Guelph), DVM (OVC)
Adjunct Professor of Pathology & Microbiology
- Cairns, David K.**, BSc (UPEI), MSc (Laval), PhD (Carleton)
Adjunct Professor of Biology
- Campbell, Barbara**, RN (PEI School of Nursing), BN (UNB)
Assistant Professor of Nursing
- Câmpeanu, Cezar**, MSc, PhD (Bucharest)
Assistant Professor of Mathematics & Statistics
- Carioto, Lisa**, DVM, DVSc (Guelph)
Adjunct Professor of Companion Animals
- Carroll, Timothy E.**, BBA (UPEI), MBA (Saskatchewan)
Assistant Professor of Business Administration
- Carter, Martin**, BA (London), BSc, MSc (Alberta), PhD (Saskatchewan)
Adjunct Professor of Biology
- Cassidy, Mike**, BComm (Saint Mary's), CA
Assistant Professor of Business Administration
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Assistant Professor of Physics
- Pratt, T. K.**, BA, MA (Toronto), PhD (London)
Professor Emeritus of English
- Purdy, Henry**, ANSCA (NSCA), RCA
Sessional Lecturer in Fine Arts
- Pye, Cory**, BSc, PhD (Memorial)
Adjunct Professor of Chemistry
- Rainnie, Donald**, BSc (Manitoba), MSc (Saskatchewan), PhD (UBC), DVM, MVSc (Saskatchewan)
Adjunct Professor of Fish Health
- Rankaduwa, W.**, BA, MSc (Peradeniya), MA, PhD (Dalhousie)
Associate Professor of Economics
- Rass, E. Juanita**, BSc, MBA, MSc (New York), BScN (Maine), PhD (New Hampshire)
Assistant Professor of Nursing
- Reesor, F. Alan**, BMus (Toronto), MMus (Eastman School of Music), AMus (Western), DCnL (KCNS), FRSA
Professor Emeritus of Music
- Reid, Gary**, BSc, PhD (UNB)
Adjunct Professor of Chemistry
- Renton, Ken W.**, BSc (George Williams), PhD (McGill)
Adjunct Professor of Biomedical Sciences
- Richards, Judy Lynn**, BASc (Guelph), MA (Western Ontario)
Lecturer in Sociology & Anthropology
- Richardson, Gavin F.**, BA, DVM, MVSc (Saskatchewan), Diplomate of the American College of Theriogenologists
Professor of Theriogenology
- Riley, Christopher**, BSc, BVSc(Hons) (Melbourne), MSc, PhD (Saskatchewan)
Assistant Professor of Health Management
- Robb, S. Andrew**, BA (UBC), MA (Simon Fraser)
Professor Emeritus of History
- Robertson, Harold A.**, BA, MSc (Western), PhD (Univ. of Cambridge)
Adjunct Professor of Biomedical Sciences
- Rose, Patricia L.**, BS, DVM (Ohio State), MS (Texas A&M)
Diplomate of the American College of Veterinary Surgeons, Diplomate of the American College of Veterinary Radiology
Assistant Professor of Radiology
- Ross, Neil**, BSc, PhD (McGill)
Adjunct Professor of Biomedical Sciences
- Runyon, Caroline L.**, BS (Marymount Col), DVM (Colorado State), MS (Iowa State)
Professor of Small Animal Surgery
- Russell, Regena**, BA (Concordia), LLB (UQAM & McGill), LLM (McGill)
Sessional Lecturer in Political Studies
- Ryan, Catherine L.**, BSc (St. Mary's), MA, PhD (Carleton)
Associate Professor of Psychology
- Ryan, Daniel, A. J.**, BSc, MSc, PhD (Guelph)
Assistant Professor of Mathematics & Statistics
- St. Jean, Richard L.**, BA (Bates), PhD (New Hampshire)
Professor of Psychology
- Saad, Nasser**, BSc (Ain Sames), MSc, PhD (Concordia)
Assistant Professor of Mathematics & Statistics
- Sahouli, Abder**, BCIPsy (Oran), MSc (Valdosta State), PhD (Laval)
Sessional Lecturer in Psychology
- Saleh, Tarek M.**, BSc, PhD (Western Ontario)
Associate Professor of Physiology
- Salter, Michael**, MD (Western Ontario), PhD (McGill)
Adjunct and Graduate Faculty of Biomedical Sciences
- Sawicki, Anna I.**, BA, BPE (McMaster), MA (Memorial)
Sessional Lecturer in Sociology and Anthropology
- Scholl, Daniel**, BSc, DVM, MPVM (California), PhD (Utrecht)
Adjunct Professor of Health Management
- Schurman, Douglas**, BSc (UPEI), DVM (Guelph)
Adjunct Professor of Health Management
- Seeler, David C.**, MSc, DVM (Guelph), Diplomate of the American College of Veterinary Anaesthesiologists
Associate Professor of Anaesthesiology
- Sentance, James**, BA, MA, PhD (Carleton)
Associate Professor of Economics

- Shaw, Anthony**, BSc (Waterloo), PhD (Calgary)
Adjunct Professor of Health Management
- Shaw, Darcy H.**, DVM, MVSc (Saskatchewan), Diplomate of the American College of Veterinary Internal Medicine
Professor of Small Animal Medicine
- Shephard, G. David**, BMus (UPEI)
Lecturer in Music
- Shilton, Wendy**, BA, MA, PhD (Toronto)
Associate Professor of English
- Shin-Bouey, Sung Ha**, BMus, OpDip (Toronto), MMus (Victoria)
Assistant Professor of Music
- Silva, Marina**, BSc, MSc, PhD (Montreal)
Associate Professor of Biology
- Silversides, Fred**, BSA (Saskatchewan), MS (Massachusetts), PhD (Saskatchewan)
Adjunct Professor of Health Management
- Simard, Carole**, DVM (Montreal), MSc (Quebec) PhD (Montreal)
Adjunct Professor of Pathology & Microbiology
- Simon, Karem J.**, BMus, BEd (Mt. Allison), MMus (Northwestern), DMA (UBC)
Professor of Music
- Sims, David**, BA (Western), PhD (Kansas)
Professor of Microscopic Anatomy
- Singh, Amreek**, BVSc, AH (Col of Vet Sc, Mathura, India), MSc, PhD (Guelph)
Professor Emeritus of Veterinary Medicine
- Smith, Adrian**, BA, BEd (UPEI), MSc (UNB)
Sessional Lecturer in Psychology
- Smith, Ernest**, BSc (St FX), MEd (UNB), PhD (Ottawa & Pacific Western)
Sessional Lecturer in Education
- Smith, John**, BA, MA (Toronto)
Professor Emeritus of English
- Smith, Kevin**, BSc (Toronto), PhD (UBC)
Assistant Professor of Chemistry
- Smith, Philip**, BA (Texas at Dallas), MA, PhD (Western)
Associate Professor of Psychology
- Smith, Ronald W.J.**, BA (UPEI), MSc (Penn State)
Sessional Lecturer in Sociology & Anthropology
- Smitheram, Verner**, BA, PhilM (Toronto)
Adjunct Professor of Philosophy
- Socket, Donald**, DVM (Guelph), MSc (Colorado), PhD (Wisconsin-Madison)
Adjunct Professor of Health Management
- Spangler, Elizabeth**, BA (Harvard), MSc, DVM (Colorado State), PhD (Ohio State), Diplomate of the American College of Veterinary Preventive Medicine
Associate Professor of Epidemiology
- Speare, David**, DVSc, DVM (Guelph)
Professor of Fish Health
- Spears, Annie**, MScEcon (Panthéon-Sorbonne)
Lecturer in Economics
- Spira, Thomas**, BA (City College of New York), MA, PhD (McGill)
Professor Emeritus of History
- Srebrnik, Henry**, BA, MA (McGill), MA (Brandeis), PhD (Birmingham)
Professor of Political Studies
- Stewart, Sandy**, BA (UPEI), MA (Dalhousie)
Sessional Lecturer in Economics
- Stryhn, Henrik E.**, MA (Copenhagen), PhD (Royal Veterinary & Agricultural University),
Associate Professor of Health Management
- Sulston, Kenneth W.**, BMath, MMath, PhD (Waterloo)
Professor of Mathematics & Statistics
- Sutterlin, Arnold**, BEd, BSc, PhD (Massachusetts)
Adjunct Professor of Health Management
- Sweeny-Nixon, Marva I.**, BSc (Mt Allison), MSc, PhD (Dalhousie)
Associate Professor of Biology & Adjunct Professor of Biomedical Sciences
- Sweet, Lowell G.**, BSc, MSc (Acadia), PhD (Waterloo)
Professor of Mathematics & Statistics
- Tait, John**, BSc, DVM (Guelph), MBA (McMaster)
Adjunct Faculty in Health Management
- Tasker, R. Andrew**, BSc, MSc, PhD (Queen's)
Professor of Pharmacology
- Taylor, Cecil**, BSc (Dalhousie), BEd (UPEI), MST (New Hampshire)
Sessional Lecturer in Education
- Taylor, Jennifer P.**, BSc (UPEI), MSc, PhD (Toronto)
Associate Professor of Family & Nutritional Sciences,
Adjunct Professor of Health Management
- Teather, Kevin**, BSc (Brock), MSc (Queen's), PhD (Carleton)
Associate Professor of Biology
- Timmons, Vianne**, BA (Mt Allison), BEd (Acadia), MEd (Spokane), PhD (Calgary)
Professor of Education
- Tremblay, Réjean**, BSc (Québec à Chicoutimi), MSc (Québec à Rimouski), PhD (Laval)
Adjunct Professor of Health Management
- Tremblay, Robert**, BSc (UNB), DVM, DVSc (Guelph)
Adjunct Professor of Health Management
- Trenton, Thomas N.**, BA, MA, PhD (Toronto)
Associate Professor of Sociology
- Trivett, Andrew**, Dip Eng (Dalhousie), BEng (TUNS), PhD (Massachusetts)
Associate Professor of Engineering
- Turnbull, Miles**, BA (UPEI), MA (McMaster), PhD (Toronto)
Associate Professor of Education
- Uetrecht, Jack P.**, BSc (Cincinnati), MSc, PhD (Cornell), MD (Ohio)
Adjunct Professor of Biomedical Sciences
- Uhland, Carl**, BVSc, DVM (Illinois)
Adjunct Professor of Pathology & Microbiology
- VanLeeuwen, John**, DVM, MSc, PhD (Guelph)
Associate Professor of Farm Service
- VanLunen, Theodore A.**, BScAgr (Guelph), MSc (Alberta), PhD (Nottingham)
Adjunct Professor of Health Management
- vanMuiswinkel, Willem**, MSc (Free University), PhD (Erasmus University)
Adjunct Professor of Pathology & Microbiology
- Van Til, Linda**, MSc (UPEI), DVM (Guelph)
Adjunct Professor of Health Management
- Velaidum, Joe**, BA, MA, (Wilfrid Laurier), PhD (McMaster)
Assistant Professor of Religious Studies
- Vokey, Daniel**, BA (Montreal), MA (Ottawa), MEd (Kingston), PhD (Toronto)
Assistant Professor of Education
- Wagner, Brian D.**, BSc (Dalhousie), PhD (Western Ontario)
Associate Professor of Chemistry
- Wagner, Donald M.**, BA, MAcct (Waterloo), PhD (UBC)
Associate Professor of Business Administration
- Walshaw, Richard**, BVMS (Glasgow)
Professor of Companion Animals
- Walshaw, Sally**, BA (Manhattanville College), MA (Hunter College), DVM (Pennsylvania)
Associate Professor of Biomedical Sciences
- Wandio, Gerald**, BA, MA, PhD (Alberta)
Sessional Lecturer in English

Wartman, Cheryl, BA, MSc (UPEI)
Sessional Lecturer in Psychology

Waterstrat, Paul, BSc, DVM, MSc (Washington), PhD
(Mississippi State)
Adjunct Professor of Pathology & Microbiology

Weale, David E., BTh (MCC), BA (PWC), MA, PhD
(Queen's)
Professor of History

Weeks, Lori, BSc (UPEI), MSc (Maine), PhD (Virginia Tech)
Assistant Professor of Family & Nutritional Sciences

Whyte, Shona, BSc, PhD (Aberdeen, Scotland)
Adjunct Professor of Parasitology

Wichtel, Jeffrey, BVSc, PhD (New Zealand), Diplomate of
American College of Theriogenologists
Associate Professor of Farm Service

Williams, Jocelyn, BA (St FX), MA (Toronto)
Sessional Lecturer in English

Wills, Richard H., BA (Brown), MA (North Carolina), PhD
(Northwestern)
Associate Professor of Sociology & Anthropology

Wohlgenut, Esther, BA (McGill), MA, PhD (Ottawa)
Assistant Professor of English

Wright, Glenda M., BSc, PhD (Toronto)
Professor of Anatomy

Xu, Huimin, BSc, MSc (Shenyang Agricultural University)
MSc, PhD (Toronto),
Adjunct Professor of Biology

Yason, Carmencita V., DVM, MSc (Philippines), Dip of
Diagnostic Vet Path (Royal Veterinary, Sweden),
PhD (Cornell)
Adjunct Professor of Virology

Young, George W., BBA, MA (Regina), PhD (United
Kingdom)
Sessional Lecturer in Religious Studies

Zimmermann, Lothar, BA (McMaster), MA (Toronto)
Associate Professor of German

Zinck, Andrew M., BMus (Acadia), MMus (Alberta), PhD
(Toronto)
Associate Professor of Music

LIBRARIANS

Suzanne Jones, BA (York), MLS (Dalhousie)
Acting University Librarian

M. Catherine Callaghan, BA (UPEI), MLS (Dalhousie)
Information Services Librarian

Norine A. Hanus, BEd (Saskatchewan), BLS (Toronto)
Collections Librarian

M. Dawn Hooper, BSc (UPEI), MLS (Dalhousie)
AVC/Health Sciences Librarian

Betty M. Jeffery, BA (Acadia), MLS (McGill)
Instructional Services Librarian

Simon Lloyd, BA (Kings College), MLS (Dalhousie)
PEI/Special Collections Librarian

Sharon E. Neill, BA (SDU), MLS (Dalhousie)
Bibliographic Services Librarian

BOARD OF GOVERNORS

The Chancellor Elect of the University
William E. Andrew, Dip. Eng, BEng

The President of the University
H. Wade MacLauchlan, BBA, LLB, LLM

The President of Holland College of Applied Arts and Technology

Alex MacAulay, BA, BTh, MTh

Vice-President Finance and Facilities

Gary Bradshaw, BEng, MBA

Nine members appointed by the Lieutenant-Governor-In-Council

John B. MacDonald, Blooming Point, PE
Louis W. MacEachern, Calgary, AB
Mary MacInnis, Charlottetown, PE
Jim MacIntyre, Alberton, PE
Michael Murphy, Cumberland, PE
Jim Nimmo, Montague, PE
Roger Sinclair, Halifax, NS
Pamela Whalen, Avondale, PE
Ken Williams, Charlottetown, PE

Two members elected by and from the Senate of the University

Wimal Rankaduwa, BA, MSc, MA, PhD
Elizabeth Spangler, BA, MSc, DVM, PhD

Two members elected by and from all the members of the teaching staff of the University

David Buck, BA, MPA, DPhil
Tim Carroll, BBA, MBA

Two members elected by and from the Alumni of the University

Jim Gormley, BA, LLB
Joanne Ings, BA, Diploma in Public Administration

Two members elected by and from the student body of the University

Clare Henderson, Student Union President
Matthew O'Halloran, Student Representative

Two members elected by the Board

Margaret MacFarlane, BA, BEd, Vice-Chair
Regis Duffy, CM, BA, MSc, PhD, Chair

SENATE

The Senate of the University of Prince Edward is constituted as follows:

Ex Officio

- H. Wade MacLauchlan, BBA, LLB, LLM
President (Chair)
- Vianne Timmons, BA, BEd, MEd, PhD
Vice-President, Academic Development
- Gary Bradshaw, BEng, MBA
Vice-President, Finance & Facilities
- Katherine Schultz, BSc, MA, PhD
Vice-President, Research & Development
- Richard Kurial, BA, MA, PhD
Dean of Arts
- Roger Gordon, BSc, PhD
Dean of Science
- Graham Pike, BA, MA, PhD
Dean of Education
- Roberta MacDonald, BA, MBA, PhD
Dean of Business Administration
- Timothy Ogilvie, DVM, MSc
Dean of Veterinary Medicine

- Kim Critchley, BScN, RN, MN, PhD
Acting Dean of Nursing
- Suzanne Jones, BA, MLS
Acting University Librarian
- Clive Keen, BA, MA, PhD
Director, Life-Long Learning
- Clare Henderson
President of Student Union
- Karen Smythe, BA, MA, PhD
Registrar

Alumni Representative

- Sue Loucks, BBA

Board Representative

- Jim Nimmo

Students

- Margaret Doyle (MAPUS rep)
- Megan MacKinnon
- Sarah Simpson
- Patrick Curley
- Mark O'Halloran

Elected by the Teaching Faculty**Term expires 30 June 2005**

- Doug Dahn, BSc, MSc, PhD—Physics
- Lawrence Hale, BSc, PhD—Biology
- Gregory Irvine, BMus, MMus, DM—Music
- Malcolm Murray, BA, MA, PhD—Philosophy
- Brian Wagner, BSc, PhD—Chemistry
- Lori Weeks, BSc, MSc, PhD—Family and Nutritional Sciences
- David Seeler, MSc, DVM—Companion Animals
- Annabel Cohen, BA, MA, PhD—Psychology

Term expires 30 June 2006

- Kevin Teather, BSc, MSc, PhD—Biology
- Dan Ryan, BSc, MSc, PhD—Mathematics & Statistics
- Lisa Miller, BS, DVM, PhD—Pathology & Microbiology
- Elizabeth Spangler, BA, MSc, DVM, PhD—Health Management
- David Buck, BA, MPA, DPhil—Classics
- Scott Lee, BA, MA, PhD—Modern Languages
- Wimal Rankaduwa, BA, MSc, MA, PhD—Economics
- Joe Velaidum, BA, MA, PhD—Religious Studies

Term expires 30 June 2007

- Jim Sentance, BA, MA, PhD—Economics (Faculty at Large)
- James Moran, BA, MA, PhD—History
- Melissa MacEachern, BBA, MBA—Business
- Kamini Jaipal, BEd, BpaEd, MEd, PhD—Education
- Mary Jean McCarthy, BN, RN, MN—Nursing
- Luis Bate, BSc, MSc, PhD—Biomedical Sciences

UNIVERSITY OFFICIALS**The Hon. J. Léonce Bernard**

Lieutenant Governor of the Province of Prince
Edward Island
Visitor

William E. Andrew, Dip. Eng (UPEI), BEng (NS Tech College & UPEI)

Chancellor Elect

J. Regis Duffy, CM, BA, MSc, PhD

Chair of the Board of Governors

H. Wade MacLauchlan, BBA, LLB, LLM

President and Vice-Chancellor

Ronald J. Baker, OC, BA, MA, LLD

President Emeritus

C. W. J. Eliot, CM, BA, MA, PhD, DCL, DLitt

President Emeritus

Peter P. M. Meincke, RMC, BSc, MA, PhD

President Emeritus

Vianne Timmons, BA, BEd, MEd, PhD

Vice-President, Academic Development

Gary Bradshaw, BEng, MBA

Vice-President, Finance & Facilities

Katherine Schultz, BSc, MA, PhD

Vice-President, Research & Development

Richard Kurial, BA, MA, PhD

Dean of Arts

Roberta MacDonald, BA, MBA, PhD

Dean of Business Administration

Graham Pike, BA, MA, PhD

Dean of Education

Kim Critchley, BScN, RN, MN, PhD

Acting Dean of Nursing

Roger Gordon, BSc, PhD

Dean of Science

Timothy H. Ogilvie, DVM, MSc

Dean of Veterinary Medicine

Mel Gallant, BA, MBA

Assistant Dean, Administration & Finance,
Atlantic Veterinary College

Jeanne Lofstedt, BVSc, MS, Diplomate of the American College of Veterinary Internal Medicine

Associate Dean of Academic Affairs

James Bellamy, DVM, PhD

Associate Dean of Graduate Studies and Research

Karen Smythe, BA, MA, PhD

Registrar

Philip Hooper, BBA, CGA

Comptroller

Belinda Rogers, BBA, CA

Manager, Accounting Office

David L. Cairns, BSc

Director, Computer Services

Margaret (Peggy) Leahey, BA

Director, Human Resources

Clive Keen, BA, MA, PhD

Director, Life-Long Learning

Ron Annear, BBA

Acting Director, Athletics & Recreation

Greg Clayton, BEng

Director, Facilities Management

Robert Gibson, BSc, MEd

Director, Student Services

Barbara Mullaly, BPE, MSc

Director, Wellness

Marc Braithwaite, BBA

Manager, Residence, Food and Conference Services

Suzanne Jones, BA, MLS

Acting University Librarian



3. Support Services, Institutes, and Organizations

For further details on any of these groups, please check their websites as noted.

ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

www.upei.ca/athletic

General

The Department of Physical Education, Recreation, and Athletics provides UPEI students with a wide variety of physical activity experiences designed to enhance their overall development. The primary focus of the department is involvement. The total program includes academic courses, fitness opportunities, and intramural, recreation, and intercollegiate programs.

Academic

The department offers five courses within the Arts and Education faculties. (See Physical Education and Education academic listings.)

Fitness

A variety of instructional and participation opportunities (cardio-weight equipment, fitness evaluation, instruction, and jogging/walking facilities) are provided for fitness development.

Intramurals

The intramural program provides competitive opportunities for students who enjoy structured sport, but who are not interested in intercollegiate competition. The program includes activities such as softball, tennis, touch football, basketball, volleyball, badminton, squash, racquetball and fencing. Many of the activities are offered co-ed and teams are formed from residences, faculties, departments, or independent groups.

Athletics

The Intercollegiate program offers high-quality sport competition within the AUS and CIS for both male and female students. The sports currently included are:

- Soccer (men & women)
- Field Hockey (women)
- Basketball (men & women)
- Volleyball (women)
- Hockey (men & women)
- Rugby (women)

Recreation

For those students not interested in a structured setting, many self-directed opportunities are provided. Free time is built into every facility schedule so that students can drop in and participate in whatever they want when it suits their schedule. Within the recreation program there are a number of special interest clubs such as rugby, fencing, and women's hockey.

Facilities

The Chi-Wan Young Sports Centre houses the indoor facilities on campus. The Centre is able to handle all traditional gymnasium activities and also has first-rate squash, racquetball, fitness and weight-training, jogging, and aerobics facilities. The Centre also has excellent spectator facilities for the intercollegiate program.

Other University facilities include tennis courts, outdoor volleyball courts, and fields for soccer and field hockey/rugby. The University community has access to the MacLauchlan Arena and Aquatics complex, which is managed by Capital Area Recreation Inc. (CARD).

CAMPUS KIDS CHILD CARE CENTRE

www.isn.net/~kids

Campus Kids Child Care Centre Inc. is located inside Marian Hall. The hours of operation are Monday to Friday, 7:30 a.m. to 5:30 p.m. Three programs are available: full daycare for children four months to five years; a part-day, part-week program (mornings or afternoons) for three- and four-year-olds; and a kindergarten program. Application for child care on campus should be made well in advance as space is limited, particularly for children aged two and under.

CANADIAN AQUACULTURE INSTITUTE

www.upei.ca/cai

The Canadian Aquaculture Institute (CAI), a division of AVC Inc., is a leader in providing continuing education opportunities in the fields of aquaculture medicine, fish health, and management. Working in close association with the expert faculty and researchers at the Atlantic Veterinary College at the University of PEI and industry professionals, the CAI team develops and delivers customized training programs to interest groups involved in aquaculture and related industries in local, national, and international settings. The offices of the CAI are located in the Classroom Centre.

CENTRE FOR LIFE-LONG LEARNING

www.upei.ca/extension

The Centre for Life-Long Learning was created in late 2002 to develop and deliver a broad range of continuing education courses, workshops, programs, summer institutes, and other services to help meet the lifelong learning needs of Islanders. Located in Main Building, the Centre offers short courses, online courses, and non-credit certificates for working adults in a wide variety of areas including Communication, Leadership, Management Development, Supervision, Conflict Resolution, and Practical Management. It also administers the Transition Program, a number of summer institutes, and the ESL programs.

Administrative Professional's Development Program**www.upei.ca/mpp/apdp**

Administrative Professional's Development Program (APDP) is a 51-hour learning opportunity developed by the Centre for Life-Long Learning at the University of Prince Edward Island. By focusing on communications, human relations, career/professional development, and by introducing project management, this program creates space for you to take stock personally, while gaining new insights, knowledge, and skills for professional growth.

Conflict Resolution Studies**www.upei.ca/conflictcentre**

Our program envisions a community based on respect, equality, and justice; we believe that conflict can be dealt with in safe, mutually acceptable and healthy ways; we know the skills to manage and resolve conflict can be learned; and we aspire to contribute to healthier and safer communities by encouraging co-operation and by valuing spiritual as well as mental, emotional, and physical well-being.

Faculty Development Summer Institute**www.upei.ca/extension/FDSInstitute.htm**

In 2003, the UPEI Faculty Development Summer Institute on Active Learning and Teaching celebrated 20 years of great faculty professional development. It is the only one of its kind in Canada and has been in existence for as long as any similar institute in North America. The overall goal of the Institute is to improve teaching and learning by enhancing the knowledge and skills of professors. Since 1984, hundreds of participants have had an opportunity to work with professors from Canadian, American, and overseas colleges and universities who believe, as we do, that teaching is both an art and a science. Participants will discover new ideas that will assist their students in learning more effectively, and make teaching even more of a joy than it already is!

Management Development Program for Women**www.upei.ca/mdpw**

The Management Development Program for Women (MDPW) is a one-year certificate program of the Centre for Life-Long Learning at the University of Prince Edward Island. The MDPW allows you to increase your management skills while you work. Major assignments apply to your own workplace and, with careful planning, you can work on projects that will directly benefit both you and your business or organization. Whether or not you have a previous university learning experience, the Management Development Program for Women works with you to sharpen your skills and build your self-confidence for the pathways you choose.

Seniors' College of Prince Edward Island**www.upei.ca/seniorscollege**

The Seniors' College of Prince Edward Island is a seniors-governed, volunteer, membership-based organization that provides stimulating and affordable learning opportunities for seniors in a welcoming and comfortable environment. Most instructors are seniors who have volunteered to share their time, talents, and knowledge with members of the College.

Summer ESL Program**www.upei.ca/extension/esl/**

English as a Second or Foreign Language at the University of Prince Edward Island is a highly successful summer program offered through the Centre for Life-Long Learning. It has been developed for non-anglophone students wanting to learn or to improve their knowledge of the English language and

gain an appreciation for Prince Edward Island culture. The program provides academic instruction, workshops, and socio-cultural activities that familiarize students with the culture of the second-language group. Courses and activities are offered in English at the introductory, intermediate, and advanced levels.

CHAPLAINCY CENTRE**www.upei.ca/chaplain**

The Chaplaincy Centre, located just north of the Robertson Library building, provides a location to meet, socialize, pray, and hold religious services. Two Chaplains provide a Christian presence supportive of students, faculty, administration, and staff. They offer counselling, opportunities for inquiry into the Christian faith, and programs designed to enhance social, intellectual, and personal growth. Regular opportunities for worship are available at the Chaplaincy Centre. Other faiths are also welcome to use the Centre for appropriate activities.

COMPUTER SERVICES**www.upei.ca/computerservices**

At UPEI, Computer Services is a service department whose clientele includes most members of the University community. Computer Services' role within this community is multi-faceted. Energetic and professional staff provide a broad range of information technology (IT) services and solutions used to help the campus meet academic, research, and administrative challenges. Computer Services represents or assists the University on community, provincial, and national external relationships involving IT-related research, projects, and groups.

On campus, Computer Services is located in the south end of the 200 level (ground floor) of the AVC building. This location houses 16 staff, microcomputer and supermini computer servers, and is the hub of the high-speed campus fibre-optic computer network and gateway to the Internet and CA*net 4 (Canada's research Internet).

Students are the largest group of computer users on campus. Most, if not all, of the hardware and software systems are used to support students in one way or another. Computer Services directly supports students by providing the networked microcomputer environment used by all students, including user support, computer accounts, networked software, e-mail, Internet access, file and application servers, computer labs, and printing services.

Audiovisual Services**www.upei.ca/avsd**

Audiovisual Services provides a full range of audiovisual services to faculty, staff, and students. Located in the Atlantic Veterinary College adjacent to the Photography unit, Audiovisual Services provides audio and video production services, equipment rental, booking, and distribution, as well as equipment repair and installation. Faculty are encouraged to take full advantage of the state-of-the-art production expertise and equipment inventory for the enhancement of their programs. Students have access to basic audiovisual production services, equipment, and viewing facilities across the campus.

Graphics

Graphics, located within the Information Technology in Education Centre in the Robertson Library complex, concentrates on design, production, and pre-press for print

media. Products include brochures, advertisements, posters, books, logos, illustrations, magazines, and poster displays.

Information Technology in Education Centre (ITEC)

www.upei.ca/itec

ITEC houses a group of professionals who are experienced and trained in the information technology sector, and dedicated to aiding and assisting UPEI's students, faculty, and staff in implementing technology into their university experience. Located in the Robertson Library complex, ITEC consists of a TeleTheatre (video and audio conferencing, full network access, data projector, and seating for 24 to 30 people in a lecture or workshop configuration, or 60 to 100 people in a theatre-style configuration); computer lab (15 computers and instructor computer with full network support, and a data projector); and a project room (five computers available for use by faculty, staff, and students needing specific software and assistance).

Photography

Photography, located in the Atlantic Veterinary College on the Main Level, Room 247S, provides traditional and digital black-and-white and colour images for teaching, research, and publication purposes.

CONFERENCE AND SPECIAL EVENTS PROJECT OFFICER

www.upei.ca/housing

The Officer works throughout the year promoting and co-ordinating conferences held during the summer months. This involves working with various departments on campus, as well as our Food Service provider, Chartwells College & University Dining Services, to organize conferences and events. The Officer, whose office is in Bernardine Hall, is a member of the PEI Convention Bureau and works in concert with the local hospitality industry.

INSTITUTE OF ISLAND STUDIES

www.upei.ca/iis

Under the auspices of the Faculty of Arts, the Institute of Island Studies (IIS) is a research, education, and public policy institute that encourages a deep knowledge, understanding, and expression of Prince Edward Island; serves as a bridge between the University and Island communities; contributes to the formulation of public policy in Prince Edward Island; and undertakes comparative studies of Prince Edward Island and other islands. The IIS is located in Dalton Hall.

Since its founding in June 1985, the principal activity of the IIS has been the initiation and co-ordination of research projects. Areas of special interest have included small island issues, strategic economic policy, Island folklore, sustainable development, and land use. The Institute organizes a series of public forums on major contemporary issues. Another popular program is the annual Island Lecture Series, a series of approximately 20 lectures held across the Island and co-sponsored with the Prince Edward Island Museum and Heritage Foundation.

The IIS is home to Island Studies Press, which publishes, for both a popular and academic audience, books dealing with aspects of the culture and environment of Prince Edward Island and other islands.

Since 1994, the IIS has embarked on an active international program called the North Atlantic Islands Programme, which facilitates research projects and exchange networks that are devoted to self-reliant economic development in several islands of the North Atlantic.

L. M. MONTGOMERY INSTITUTE

www.upei.ca/lmm

The L. M. Montgomery Institute (LMMI), which was established in 1993 with funding from the Social Sciences and Humanities Research Council of Canada (SSHRC), has two overall objectives: to promote scholarly inquiry internationally into the life, works, culture, and influence of L. M. Montgomery; and to encourage the informed celebration of one of Canada's best-known and best-loved authors and her works. The LMMI is supported by a committee whose members are from the UPEI campus and Island community and work from a variety of disciplines and perspectives. An international advisory board was established in 1996. The LMMI is located in Dalton Hall.

PRINCE EDWARD ISLAND HEALTH RESEARCH INSTITUTE

www.upei.ca/peihri

The mission of the Prince Edward Island Health Research Institute (PEIHRI) is to support, promote and enhance quality research related to human health on Prince Edward Island, thereby contributing to the health of Islanders and Canadians and to the economy of PEI. The Institute's initiatives and programs are designed to build research capacity, facilitate peer-reviewed funding success, and encourage increased participation in health research. The PEIHRI is located in Dalton Hall.

RESIDENCES

www.upei.ca/housing

At the University of Prince Edward Island, a campus residence is much more than a convenient place to eat and sleep. Here students find a balance between privacy and group activities, and, more importantly, a blend of people with different backgrounds, interests, academic pursuits, and aspirations. Your learning experience can be enriched if you allow yourself to become involved as part of our community.

Description of Residence

Residence accommodation at UPEI is under the supervision of the Residence, Food, and Conference Services Manager and the Vice-President, Finance and Facilities. Each residence is under the direction of the Assistant Manager, Residence Life and Residence Life Advisers.

The residences can accommodate approximately 350 students in both room-and-board-style and apartment-style buildings. Students should be registered either part-time or full-time at UPEI or at another post-secondary institution. Priority is given to UPEI students. Applicants for residence should apply online through the Residence website above or write directly to:

Residence, Food and Conference Services Manager
Bernardine Hall
University of Prince Edward Island
550 University Avenue
Charlottetown, PE C1A 4P3

To assist with roommate compatibility, students are encouraged to apply in groups of two for both room-and-board-style residences and for the two-bedroom apartment-style residence. However, individual applications will be accepted, and an effort will be made to find a compatible roommate.

ROBERTSON LIBRARY

www.upei.ca/library

The Robertson Library is the major research library for Prince Edward Island. It opened in January 1975 with the amalgamated collections of St. Dunstan's University and Prince of Wales College.

The Library provides a local collection to support the University curriculum and is expanding its electronic access to worldwide information. The Library currently has 294,773 monographs, 86,622 bound periodicals, 1,185 current subscriptions to print periodicals, and electronic access to 4,330 online journals, 244,842 items on microfilm/microfiche, 5,619 audiovisual materials, and a number of databases available on CD-ROM or via the Internet. The Library is open 85 hours per week. Research advice is available at the Information Desk 73 hours per week and instruction in Library research is available in a variety of venues through Instructional Services.

Special features of the Robertson Library include a Media Centre, faculty research rooms, single and group study rooms, and over 400 individual study carrels.

THE W. A. MURPHY STUDENT CENTRE

The W. A. Murphy Student Centre houses the offices of the Student Services Department and the Student Union Executive. It is also the location of The Wave, Chartwells Cafeteria, the Student Health Centre, the Women's Centre, and the UPEI Bookstore.

BOOKSTORE

www.upei.ca/bookstore

The UPEI Bookstore offers a full line of required textbooks and supplies, as well as many items of University-crested clothing and gift lines. The Bookstore hours are:

Winter: 8:30 a.m.–4:30 p.m. (Monday to Friday)
 Summer: 8:30 a.m.–4:00 p.m. (Monday to Friday)
 Extra hours will be posted for semester start-ups.

HEALTH CENTRE

www.upei.ca/healthcentre

The Health Centre is located on the second floor of the W. A. Murphy Student Centre; the telephone number is (902) 566-0616. The Health Centre is open to all students, Monday to Thursday, from September through April. The Health Centre staff promote health education on campus and co-ordinate referrals to the health care system of Prince Edward Island. Students are reminded that the medical insurance plan offered by the Student Union is compulsory for all students registered for full-time attendance, unless they present proof of being enrolled in an alternate plan. For deadlines on "opting out" of the insurance plan, contact the UPEI Student Union Office at (902) 566-0530.

STUDENT SERVICES

www.upei.ca/studentsservices

The Department of Student Services is a partner in the educational mission of the University, and is primarily

concerned with student life and learning opportunities. The ultimate purpose of Student Services is to facilitate students' personal growth and academic success through exploration of personal talents and abilities, toward the development of their full potential.

The Department collaborates with the University community in assuring the accessibility of a wide variety of educational activities, which students are encouraged to utilize while at University.

For more detailed information, students are encouraged to visit the Department of Student Services located in the W. A. Murphy Student Centre, or contact the Department by e-mail at stuserv@upei.ca or by telephone at (902) 566-0488.

• Adult Connections in Education

"ACE" is an inclusive post-secondary education program for adults with intellectual disabilities. By inclusive, it is meant that adults with an intellectual disability can attend courses at the University, improve literacy skills, complete modified course work, join clubs, and develop important relationships with peers. Individuals will be accepted into the program based on the following criteria: the prospective student must be at least 18 years of age, have a diagnosis of an intellectual disability, have a genuine interest in the pursuit of further education in a university environment, have the support and interest of family members, and be identified as a student who can meet the goals and objectives of the ACE program.

• Career Development Centre

The Career Development Center provides students with career development services to assist them in designing realistic career plans and successful job searches. The Centre offers individual career counselling and career assessment workshops, provides employer recruitment on campus, seeks employment opportunities for students, and provides a comprehensive list of resources and workshops covering all aspects of the job search, such as developing an effective résumé, preparing for the job interview, contacting employers, and preparing cover letters and applications.

• Counselling

Professionally trained counsellors provide both academic and personal counselling services to full- and part-time students and prospective students. Students may self-refer, or be referred by faculty, staff, physician, friends, or family. With regard to academic services, an individual may request assistance with the application and admissions process, course and faculty selection, timetabling, improving study skills and time management, reducing procrastination, lessening test anxiety, and preparing for graduate studies. Personal counselling services are available, as required, on either a short- or long-term basis. Students may seek help in addressing personal issues/concerns, such as depression, anxiety, panic attacks, relationship difficulties, family conflicts, current or past abuse, crisis intervention, drug and alcohol abuse, sexual orientation, eating disorders, and other stressful circumstances as they arise.

A limited amount of support is provided to students with disabilities such as, but not limited to, mobility, visual, or hearing. This support may be accessed by a personal request from a student, high school, or family; or through the University application form. Individuals are encouraged to contact Student Services at least three months prior to the beginning of their semester.

• Discontinuing Students

The University is concerned about all students who may consider discontinuing studies at UPEI. Suspending one's studies is a serious step that should not be taken casually. Individuals who wish to withdraw are encouraged to contact the Department of Student Services, which can suggest a wide range of options for students in distress or in circumstances where drastic action must be taken.

• Exchange Programs

The University, through Student Services and the Registrar's Office, provides students with opportunities to study both in the United States and abroad. While pursuing their third year of study in another country, students usually pay the same tuition, room and board, and other fees as if they were studying at UPEI. Inquiries should be directed to the Student Services Department. An application processing fee applies to the Student Exchange program.

• First-year Advisement Centre

www.upei.ca/recruitment/recruit_advisement.html

All first-year students are strongly encouraged to participate in the First-year Advisement Centre. The Centre operates from mid-June to mid-August. The Centre was established to assist students in planning their first year of University. This orientation for first-year students provides an opportunity for them to meet with a faculty member, senior student, or one of the appropriate staff members to plan their course selection, pre-register, and tour the campus.

• International Students

International students studying at UPEI are encouraged to contact the International Student Advisor in the Department of Student Services. Information, support, and advice are available for financial, academic, and personal matters, as well as referrals to other services on campus.

• Financial Aid

The Financial Aid Division of the Department of Education has a satellite office in Student Services (a joint project between UPEI and the Department of Education). Some of the services offered on campus are information on applying for student loans; picking up or dropping off student loan applications and relevant documents; assistance with the preparation of loan appeals; advice on student financial matters; information on Canada Millennium Scholarships; information on Canada Study Grants (available to high-need part-time students, female doctoral students, students with permanent disabilities, and students with dependants); and information on the PEI Debt Reduction Program. Student Services also has information on external scholarships and bursaries.

• Learning Assistance Centre

The Learning Assistance Centre provides various services to UPEI students and members of the community outside the University. Two of the services provided are the Effective Reading Program and Tutoring Services.

The Effective Reading Program is offered at the beginning of each academic semester. It is an intensive six-week course to improve reading speed, comprehension, vocabulary, study skills, concentration, retention, and skimming and scanning abilities. The program is geared to meet a wide range of student needs, such as the first-year student adapting to heavy university reading requirements, the senior preparing to enter graduate school, or the student doing post-graduate work. A fee is charged for the Effective Reading Program.

Tutoring Services provides educational support to UPEI students and to individuals within the community. The overall objective is to assist students who are experiencing difficulties in subject areas and to provide support to those who wish to upgrade any skills in specific areas. A fee is charged for the Tutoring Services.

• New Student Orientation

Attending university for the first time can present many challenges to new students. Under the supervision of the Department of Student Services, the new Student Orientation Co-ordinator plans numerous information activities, sessions, and presentations with which to welcome new students to campus. Some activities are designed to give students a greater familiarity with the campus and the people who live and work here. Enjoyable and memorable sessions are presented on such topics as how to use time effectively, how to budget, and how to manage the stress and pressures of course loads, new relationships, and university life in general.

• Off-Campus Housing

The University maintains an off-campus housing list for rental accommodations in and around the Charlottetown area.

• Resource Centre

The Resource Centre in the Department of Student Services houses the following information: graduate and undergraduate calendars for many Canadian, American, British, European, and Australian universities; information on graduate testing programs; scholarships/bursaries and other financial aid information; audiovisual materials in support of academic skills and programs; and employment/career resources, including material on job search techniques, the labour market, and jobs and careers abroad.

• Students with Special Needs

The Student Services Department provides assistance to students at the University of Prince Edward Island who have been professionally assessed and found to have a learning disability. Services may include (some fees may apply):

- individual confidential consultations
- academic support
- learning strategies instruction
- tutoring
- access to electronic text books and books on audiotape
- assistance with advocacy
- arranging for accommodations when appropriate
- confidential assessments

Students with learning disabilities who are applying for admission to UPEI are strongly encouraged to identify themselves on the application form. They should also make contact with the Services for Students with Learning Disabilities program as early as possible in the admission process.

THE STUDENT UNION

www.upeisu.com

The UPEI Student Union is an incorporated, non-profit organization.

• Objectives & Statement of Philosophy

The UPEI Student Union (UPEI SU) is a membership-oriented organization holding the principles of Constitutional democracy to be of utmost value. Inherent in this vision is the

unquestionable responsibility of the UPEI Student Union's elected officials, employees, and volunteers to build upon the traditions of the University in all times and places and to serve the interests of the students of UPEI on all occasions. To protect this philosophy, the UPEI Student Union Constitution exists.

• **Membership**

A member of:

1. AMICCUS-C—Association of Managers in Canadian College, University, and Student Centres
2. COCA—Canadian Organization of Campus Activities
3. CUP—Canadian University Press (The Cadre)

• **Services**

The Student Union administers services such as the W. A. Murphy Student Centre, the UPEI Student Health Plan, *The Cadre*, The Yearbook, and the International Student Identity Card; is the co-ordinator of the UPEI Student Handbook and Special and Alternative Programming; and offers faxing and typing services.

• **UPEI Student Health Plan Notice**

Your student identification number, name, gender, and date of birth are used by the insurance company and the Plan Administrator to determine your eligibility for benefits and are used only for this purpose while you are a member of the UPEI Student Health Plan. Without the use of this information, you are still covered for benefits; however, your claims may not be adjudicated. The personal information is stored with the utmost attention to security, and is deployed sparingly to fulfill the requirements of the Plan and the law. For further information on the use of this information or to revoke the use of this information, contact the UPEI Student Union Administrative Assistant.

• **The Student Union Executive**

The Executive of the Student Union consists of a President, Executive Vice-President, Vice-President Activities, and Vice-President Finance. The duties of the Executive are outlined in the UPEI SU Constitution. In brief, the Executive is responsible for the generation and implementation of policy in regard to Student Union affairs. Ultimately, all policy decisions shall be made by the Student Union Council.

• **The Student Union Council**

The governing body of the UPEI SU is the UPEI SU Council. Council consists of four executive officers, and representatives from the Schools of Business and Nursing, and the faculties of Arts, Science, Education, and Veterinary Medicine. As well, there are student representatives to the UPEI Senate and the UPEI Board of Governors. The international student representative, residence representative, disabled student representative, and first-year representative are chosen in the fall by-elections. In addition, the Mature and Part-Time University Students' Association (MAPUS) and the Graduate Students' Association (GSA) are represented as associate members, and there is a Student Ombudsman. The duties of Council are outlined in the UPEI SU Constitution. The UPEI SU Council holds regular meetings twice a month on Sunday evenings.

• **Student Union Elections**

Positions on Council and the Executive are filled through elections run according to the Elections Procedures By-Law as established by the Student Council. Student Union General

Elections are held in the spring, with a By-Election taking place in the fall. The exact dates are determined by Council.

• **Student Union Sub-Organizations**

There are a variety of sub-organizations and clubs representing social, academic, political, religious, athletic, and community interests. Examples include the Business Society, the Sociology/Anthropology Society, and the Music Society. There is an official sub-organization policy determined by the UPEI SU Council. All students are invited to join existing clubs or to form new ones.

The UPEI Student Union shall be the only official channel for negotiations between the student body and the University administration, or any other organization or body. The UPEI SU wishes to represent its membership properly and to continue developing more services and activities.

• **Mature and Part-Time University Student Association (MAPUS)**

www.upei.ca/mapus

The UPEI Student Union recognizes the MAPUS Association as an associate organization of the UPEI Student Union. The Mature and Part-Time University Student Association (MAPUS) was organized at the University of Prince Edward Island to:

1. provide a support system for Mature Full-Time and Part-Time University Students;
2. provide a framework for communications between this group of students and the University community; and
3. ensure that Mature Full-Time and Part-Time students are an integral and acknowledged part of the University.

The Association's affairs are administered by the Executives: President, Vice-President, Secretary-Treasurer, and Past President. The Association Committee consists of the Executive, Student Union Representative, Senate Representative, and the Class Representatives. All mature full- and part-time students are automatically members of MAPUS.

Meetings are held bimonthly. Workshops and seminars are scheduled to assist and inform students as they pursue their education. Social events are held to bolster social life on campus and to provide a means of interacting with peers.

The MAPUS office and lounge are located in the basement of Main Building. The mailing address is Box 39, c/o UPEI.

MAPUS is a full member of the Canadian Organization of Part-Time Students.

• **Graduate Student Association**

www.upei.ca/gsa

The University of Prince Edward Island Graduate Student Association (UPEI GSA) was officially recognized as an associate member of the UPEI SU in 1989.

The UPEI GSA consists of those individuals pursuing post-graduate education. The program stresses academic development of the student through research, the writing of the thesis, graduate courses, literature searches, and seminars.

The following are the objectives of the UPEI Graduate Student Association:

1. to represent the graduate student body in all matters pertinent to its members;

2. to act as liaison among graduate students and the faculty, administration, and undergraduate students of the University of Prince Edward Island;
3. to promote social and cultural activities as well as service programs for the membership; and
4. to provide a communications link with the graduate students of other Universities, and affiliation with National Graduate Council.

Thursday, late afternoons and early evenings. It will not be open on Friday or Saturday. Help is available for students in any first- or second-year Mathematics or Statistics course on a drop-in basis. The Centre will also organize tutorials on topics of general interest.

The administration of the UPEI GSA is carried out by a four-member executive, consisting of a president, vice-president, a secretary, and a treasurer, each elected for a one-year term. The Association meets as required, with a minimum of four meetings a year.

The Association can be contacted at the following address:

UPEI Graduate Student Association
c/o Graduate Studies and Research
Atlantic Veterinary College
University of Prince Edward Island

- **WOMEN'S CENTRE**

www.upei.ca/womenstu/women's_centre.html

Established in 1993, the Women's Centre works to improve the status of women in higher education at UPEI. By educating the University community about gender-related issues, addressing matters of particular concern to women, and promoting a campus climate that is safe, healthy, and respectful of all people, the Centre enhances all students' academic experiences. The Centre is located in the Department of Student Services in the W. A. Murphy Student Centre.

WEBSTER TEACHING AND LEARNING CENTRE

www.upei.ca/tlc

Located in the Robertson Library complex, the Teaching and Learning Centre is comprised of the Faculty Development Office, the English Academic Preparation Program, the University 100 office, the University Project Management Office, the Effective Reading Program, and the Centre for Writing. Its mandate is to support and encourage teaching excellence at UPEI.

- **The Centre for Writing**

www.upei.ca/tlc

The Centre for Writing provides a free writing/consultation service and is available to all students, faculty, and staff at UPEI. Peer coaches, as well as the Centre's facilitator, are available to act as an audience for writers at any stage of a writing project in any subject. The Centre houses a wealth of writing resources and handouts. Students are encouraged to visit the Centre to gain insights on their own writing process and to volunteer as coaches to help others do the same. The Centre for Writing is located in the Teaching and Learning Centre in the Robertson Library complex. The Centre is a Writing Across the Curriculum initiative administered by the University Writing Council.

- **University Math Help Centre**

The University Math Help Centre is located in the Robertson Library complex as part of the Teaching and Learning Centre. The Centre is an area where students can congregate, work in groups, discuss mathematics/statistics, and have access to assistance from Math Centre staff (the facilitator and his/her student assistants). Hours of operation will be Sunday through



4. The University of Prince Edward Island — Dates

SECOND ACADEMIC SEMESTER (JANUARY–JUNE 2005)

ALL PROGRAMS EXCEPT VETERINARY MEDICINE

January

5 Wednesday	Classes begin
14 Friday	FINAL DAY FOR LATE REGISTRATION, FOR CHANGING COURSES OR SECTIONS, FOR CANCELLATION OF COURSES WITH FULL REFUND; FINAL DAY FOR PAYMENT OF FEES OR FORMAL ARRANGEMENT WITH THE ACCOUNTING OFFICE TO PAY LATE
31 Monday	Last day for discontinuing course(s) — 60% Refund

February

14 Monday–18 Friday	Mid-semester break
21 Monday	Classes resume
28 Monday	Last day for discontinuing course(s) — 40% Refund. No discontinuations after this date

March

25 Friday	Good Friday. No classes
28 Monday	Easter Monday. No classes

April

8 Friday	Final day of second-semester classes
12 Tuesday–22 Friday	Examinations. Note: No tests or examinations of any kind are to be held during the period 23 March–6 April inclusive, without the permission of the Chair and the appropriate Dean
25 Monday	End of second Semester. Course grades for Fourth-year students to be submitted to Registrar's Office by noon on this date

May

2 Monday	Course grades for Third-year, Second-year, First-year, and Part-time students to be submitted to Registrar's Office by noon on this date
14 Saturday	Convocation
16 Monday	Beginning of First Summer Session

July

12 Tuesday	Registration begins. For students with Fourth-year standing, from 12 July; Third-year, from 13 July; Second-year, from 14 July; all others, from 15 July (www.upei.ca/registrar/app.pdf)
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FIRST ACADEMIC SEMESTER (SEPTEMBER–DECEMBER 2005)

ALL PROGRAMS EXCEPT VETERINARY MEDICINE

September

7 Wednesday	Classes begin
First week of classes	"Founders' Day" Activities. Please check UPEI website (www.upei.ca) for dates and times
16 Friday	FINAL DAY FOR LATE REGISTRATION, FOR CHANGING COURSES OR SECTIONS, FOR CANCELLATION OF COURSES WITH FULL REFUND; FINAL DAY FOR PAYMENT OF FEES OR FORMAL ARRANGEMENT WITH THE ACCOUNTING OFFICE TO PAY LATE
30 Friday	Last day for discontinuing course(s) — 60% Refund

October

10 Monday	Thanksgiving Day. No classes
31 Monday	Last day for discontinuing courses — 40% Refund. No discontinuations after this date
	Final date for submission of applications for degrees, diplomas, and certificates. Forms available online

November

11 Friday	Remembrance Day. No classes
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December

2 Friday	Deadline for application for Second Semester. Final day for First-semester classes
6 Tuesday–15 Thursday	Examinations. Note: No examinations will be held during the period 18 November–2 December inclusive, without the permission of the Chair and the appropriate Dean
19 Monday	End of First Semester. Course grades to be submitted to the Registrar's Office by noon on this date

DVM CALENDAR DATES SECOND ACADEMIC SEMESTER (JANUARY–JUNE 2005)

January	4 Tuesday	Classes begin, First day of Fourth-year Rotations—Winter semester
March	10 Thursday–11 Friday	Mid-semester break (except Fourth-year Rotations)
	25 Friday	Good Friday. No classes
	28 Monday	Easter Monday. No classes
April	15 Friday	Final day of Second-semester classes
	17 Sunday	Final day of Fourth-year Rotations—Winter semester
	18 Monday–29 Friday	Final Exams
	29 Friday	End of Second Semester
May	2 Monday	First day of Block A—Fourth-year Rotations. Course grades for Third-, Second-, and First-year students to be submitted to Registrar's Office by noon on this date
	14 Saturday	Convocation

NOTE: Dates are not yet available for the North American Veterinary Licensing Examination (NAVLE), but they will be posted on www.nbec.org as soon as they are available

DVM CALENDAR DATES FIRST ACADEMIC SEMESTER (SEPTEMBER–DECEMBER 2005)

May	2 Monday	First day of Fourth-year Rotations—Summer Semester
August	15 Monday	First day of Fourth-year Rotations—Fall
	24 Wednesday	Clinical Conference begins
	30 Tuesday	First-year Orientation
	31 Wednesday	Classes begin
September	5 Monday	Labour Day. No classes
October	10 Monday	Thanksgiving Day. No classes
	31 Sunday	Final date for submission of applications for degrees, diplomas, and certificates. Forms available online
November	11 Friday	Remembrance Day. No classes
	27 Sunday	Final day of Fourth-year Rotations
December	2 Friday	Final Day of First-semester classes
	5 Monday–16 Friday	Final Exams
	19 Monday	End of First semester. Course grades to be submitted to Registrar's Office by noon on this date

NOTE: Dates are not yet available for the North American Veterinary Licensing Examination (NAVLE), but they will be posted on www.nbec.org as soon as they are available

SUMMER SESSION DATES 2005

March	15 Tuesday	First Summer Session Registration begins for both 2005 Summer Sessions
May	2 Monday	Late fee is in effect for First Summer Session courses. Courses cancelled for First Summer Session will be posted on the website
	16 Monday	First Summer Session classes begin. First day of late registration; instructor signatures are required
	20 Friday	Last day to register late for First Summer Session courses. Last day to cancel registration for full refund (with regular commencement and end dates). Last day for changing credit-audit designation. Last day for changing courses
	23 Monday	Victoria Day. No classes
	27 Friday	Last day to withdraw from First Summer Session courses

June

16 Thursday	Last day of First Summer Session classes
20 Monday–21 Tuesday	Exams for First Summer Session courses
24 Friday	First Summer Session Grades must be submitted to Registrar's Office by noon
27 Monday	Late fee is in effect for Second Summer Session courses. Courses cancelled for Second Summer Session will be posted on the website

July

	Second Summer Session
4 Monday	Second Summer Session classes begin. First day of late registration; instructor signatures are required
8 Friday	Last day to register late for Second Summer Session courses. Last day to cancel registration for full refund (with regular commencement and end dates). Last day for changing credit-audit designation. Last day for changing courses
22 Friday	Last day to withdraw from Second Summer Session courses.

August

11 Thursday	Last day of Second Summer Session classes
15 Monday–17 Wednesday	Exams for Second Summer Session courses
19 Friday	Second Summer Session grades must be submitted to the Registrar's Office by noon

For courses that begin on the dates prior to the regular Summer Session commencement dates, registration and payment of fees are due on or before the first class.

SENATE DATES FOR 2004–2005

ITEC Lecture Theatre—Fridays at 3 p.m

- September 10 (*time change 3:30 p.m)
- October 15
- November 12
- December 10
- January 14
- February 11
- March 11
- April 15
- May 5
- June 10 (only if needed)



5. Learning Enhancement Programs

THE EFFECTIVE READING COURSE

www.upei.ca/extension/short/reading.html

The Effective Reading course is a six-week course aimed at anyone who would benefit from improving the speed and comprehension of their reading. Most participants in the past have been people in work with heavy reading loads, current university students, or students preparing for graduate school. The course is now in its 33rd year at UPEI, and has given benefits that last a lifetime to more than a thousand participants.

ENGLISH ACADEMIC PREPARATION PROGRAM

www.upei.ca/extension/esl/html/eap.html

English Academic Preparation Program (EAP) is a non-credit program developed to assist non-native speakers of English in achieving success in an English-language university. Designed for students at the intermediate to advanced level in the study of English, EAP uses authentic academic curricula and a communicative approach integrating four essential skills: writing, speaking, reading, and listening. EAP focuses on academic writing, research, and critical thinking skills.

ENGLISH GRAMMAR ONLINE

www.upei.ca/lmmi/grammar

English Grammar Online is a non-credit course designed for educators, professionals, business people, and all those wishing to refresh their knowledge of the technical aspects of writing. Offered completely online, the eight-week course features convenient self-paced instruction, complete online materials, and daily access to the instructor.

STUDENT SUCCESS PROGRAM (SS101)

www.upei.ca/studentservices

The Student Success Program is a 10-week non-credit course that may be required for students at academic risk. The goals of the program are to determine individual academic strengths and needs; to determine and enhance individual motivation for learning; to develop and/or enhance positive study skills; and to develop and/or enhance personal development. A mentorship component is included that has participants meet weekly with a designated member of the University community.

THE TRANSITION PROGRAM

www.upei.ca/transition

The Transition Program provides first-year students with the support, tools, and skills necessary for a successful career at UPEI. Transition Program (TP) workshops and tutorials are conducted in conjunction with the courses students take for credit. The TP courses concentrate on enhancing writing, reading, research, computer, presentation, and study skills. Time is also spent on career and personal direction, time and stress management, and involvement with campus activities.



6. Fees

All fees quoted in this Calendar are those in effect for the 2004–05 academic year and are subject to change upon approval by the Board of Governors.

COURSE REGISTRATION

Students will register at the University on the dates set forth in this Calendar. For those registering late (this includes students not paying their fees by the specified payment date), late fees apply.

TUITION FEES

* Full-Time Students (subject to change)

For all programs except Veterinary Medicine, MSc, PhD, and MEd

1. Per six-semester-hour credit course	870.00
2. Per three-semester-hour credit course	435.00
3. Per six-semester-hour audit course	558.00
4. Per three-semester-hour audit course.....	279.00
5. Co-operative Education Program Internship Work Term	530.00
6. Dietetic Internship Work Term	900.00
7. Foreign Student** Fee (per semester) Current program of study commenced prior to 1 May 1997	850.00
Program of study commenced on/after 1 May 1997	1,800.00

Laboratory or Music Instruction Fees if applicable; please see Other Fees.

Part-Time Students (subject to change)

1. Per six-semester-hour credit course	870.00
2. Per three-semester-hour credit course.....	435.00
3. Per six-semester-hour audit course	558.00
4. Per three-semester-hour audit course.....	279.00
5. Foreign Student ** (Per three-semester-hour credit course).....	360.00

Laboratory or Music Instruction Fees if applicable; please see Other Fees.

A part-time student is one taking fewer than 9 semester-hours of credit in any one semester.

NOTE: Part-time students are required to pay Mature and Part-time University Student (MAPUS) fees at the rate of \$10 per credit course (maximum \$20 per semester). This fee is used by the MAPUS organization to provide various programs for part-time and mature students.

Veterinary Medicine Program—Canadian Students

1. Application Fee (to be submitted with application form)	35.00
2. Tuition	

First Semester

• Due and payable 15 August (First-year students).....	3,845.00
• Due and payable Registration Day (Second- and Third-year students)	3,845.00
• Due and payable Registration Day (Fourth-year students)	3,777.00

Second Semester

• Due and payable Registration Day (First-, Second-, and Third-year students)	3,845.00
• Due and payable Registration Day (Fourth-year students)	3,777.00

Veterinary Medicine Program—Non-Resident Students

Application Fee (applications through VMCAS) US 50.00
Tuition***

First Semester

• Due and payable 14 August (First-year students).....	22,040.00
• Due and payable Registration Day (Second-year students)	21,683.00
• Due and payable Registration Day (Third-year students)	21,333.00
• Due and payable Registration Day (Fourth-year students)	20,922.00

Second Semester

• Due and payable Registration Day (First-year students).....	22,040.00
• Due and payable Registration Day (Second-year students)	21,683.00
• Due and payable Registration Day (Third-year students)	21,333.00
• Due and payable Registration Day (Fourth-year students)	20,922.00

Veterinary Medicine students will be required to purchase protective clothing and textbooks for personal use. A description of requirements is contained in the Atlantic Veterinary College registration packet.

Master of Science Program (subject to change)

1. Application Fee (to be submitted with application form)	35.00
2. Fee per semester	954.00
3. Foreign Student Fee**	1,200.00
4. Maintenance of Status Fee Per Semester (September, January, May)	108.00

Graduate students continuing with their thesis and/or research work after all course requirements have been completed are required to register and pay Maintenance of Status fee. This fee will not be levied on the student, provided he/she has completed the Final Oral Examination prior to the next registration date. If, however, the examination has not been held, then the student will be subject to the Maintenance of Status fee.

Doctor of Philosophy Program (subject to change)

1. Application Fee
(to be submitted with application form) 35.00
2. Fee per semester 954.00
3. Foreign Student Fee** 1,200.00
4. Maintenance of Status Fee
Per semester (September, January, May) 108.00

Postgraduate students continuing with their thesis and/or research work after all course requirements have been completed are required to register and pay Maintenance of Status fee. This fee will not be levied on the student provided he/she has completed the Final Oral Examination prior to the next registration date. If, however, the examination has not been held, then the student will be subject to the Maintenance of Status fee. All students enrolled in graduate and postgraduate programs are subject to all fees as specified under Other Fees.

Special Students

Students who are permitted to enroll in individual graduate courses are subject to tuition of \$600.00 per course. The amount of tuition fee may be deducted from the graduate program fee if the student enrolls in the program within 12 months of registering for the single course. This option will be subject to approval by the Dean of Veterinary Medicine. Students auditing a graduate course can do so with permission of the instructor and the payment of \$400.00 per course. Graduate and postgraduate students who enroll in courses not designated as part of their graduate/postgraduate program by their supervisory committee will be subject to the regular course tuition fees in addition to their program fees.

Master of Education Program

1. Application Fee
(to be submitted with application form)..... 35.00
2. Per three-semester-hour credit course 600.00
3. Thesis Fee 2,400.00
4. Foreign Student Fee**
• part-time per three-semester-hour credit course..... 360.00
• full-time per semester..... 1,800.00

OTHER FEES (subject to change)

1. **Student Union**
 - Dues 125.00
 - WUSC 4.00
 - Student Centre Capital Savings Plan
(\$20.00 per semester) 40.00
- Total Student Union 169.00
2. **Student Medical Plan******
 - Canadian Health Insurance (Single) 179.00
 - Canadian Health Insurance (Family) 359.00
 - International Health Insurance (Single) 679.00
 - International Health Insurance (Couple) 1,359.00
 - International Health Insurance (Family) 1,783.00

(See Item 7 under Regulations Governing Payments and Refunds—Academic Fees—Full-Time)

3. **Athletic and Administration Fee—Full-time**
(see note 1 below) 158.00
4. **Administration Fee—(Part-time)**
(see note 1 below) 5.00
5. **Laboratory Fee** (where applicable per course) 15.00
6. **Music Instruction Fee** 125.00
7. **First-year Nursing—Special Charges** 75.00
8. **Bed Program—Professional Fee** (payable annually) 75.00

9. **Human Resource Management Program**
Registration Fee 200.00
10. **Business Co-operative Education Program**
Registration Fee 425.00
11. **Math & Computer Science Co-operative Education**
Program Registration Fee 425.00
12. **Challenge Examination** 100.00
13. **Evaluation of Special Credits (per request)** 100.00
14. **Transcripts**
 - Registered Mail 10.00
 - Rush Service 15.00
15. **Master of Science, Master of Education, or Doctor of Philosophy Program**
 - **Thesis publication fee**
(as determined by Library and Archives Canada)
 - **Thesis binding** (2 copies) 30.00
16. **Application Fee** (to be submitted with application)
(see Note 2 below)
 - a. Professional programs
(BEd, BScN, MEd, DVM, MSc, PhD)
 - on each application 35.00
 - DVM Foreign
(applications through VMCAS)US 50.00
 - b. Other programs—on first application only 35.00
17. **Reinstatement fee charged to students who are deregistered from courses for non-payment**
 - Full-time students 50.00
 - Part-time students 25.00
18. **Canadian Nursing Student Association Fee** 5.00

NOTE 1: Administration Fee includes graduation fees, letters of permission, supplemental and special examinations, rereading of examinations, and transcript fees except as specified.

NOTE 2: This application fee is to be paid by all first-time applicants, whether for full-time or part-time studies, including courses taken for audit. This is also required of all Centennial Scholars who are first-time applicants. The application fee is not required of any student who has ever made prior application to take courses at UPEI.

*A full-time student is one taking 9 or more semester-hours of credit in any one semester.

**A foreign student is one who is not a Canadian citizen or a landed immigrant of Canada at the date of registration.

***Students in the Veterinary Medicine program must pay the Non-Resident fee unless they are Canadian citizens or landed immigrants of Canada of at least 12 consecutive months' duration during which time they have resided in Canada and have not attended a university or college full-time. Those who qualify for this status after first admission by standing down for a year will be considered for readmission subject to the availability of seats in the year and in the province where they now qualify. (See residency guidelines in Admissions Requirements for Veterinary Medicine section.)

****Full-time students requiring Married Status Medical Coverage must make application and pay the required premium at the Student Union Office. Single students must pay the required premium at the University Accounting Office during registration. See Item 7 under **Regulations Governing Payments and Refunds—Academic Fees—Full-Time**.

RESIDENCE ACCOMMODATION FEES

(subject to change)

The 2004–2005 residence and meal service fees are outlined below. Bernardine and Marian Halls are traditional residences intended primarily for first-year students. Blanchard Hall is an apartment-style residence. Upper-year, mature, and transfer students are given priority for accommodation in Blanchard Hall.

All students living in Bernardine or Marian Hall are required to have a meal plan. The choices of meal plans are 9 meals/week plus \$650 retail cash; 12 meals/week plus \$300 retail cash; 14 meals/week; or 19 meals/week. Students residing in Blanchard Hall may choose from a 50-, 65-, or 80-meal card (allows them to eat meals throughout the course of the academic year), but may also select one of the two meal plans.

Accommodations	1st Sem.	2nd Sem.	Total
Bernardine Hall			
Single Room	2,016.00	2,016.00	4,032.00
Shared (double) Room	1,650.00	1,650.00	3,300.00
Marian Hall			
Single Room	2,016.00	2,016.00	4,032.00
Shared (double) Room	1,650.00	1,650.00	3,300.00
Blanchard Hall			
Semi-Private	2,016.00	2,016.00	4,032.00
Double	1,650.00	1,650.00	3,300.00
Meal Service			
14 Meals per Week	1,462.00	1,462.00	2,924.00
9 Meals/week + \$650 retail cash	1,654.00	1,654.00	3,308.00
12 Meals/week + \$300 retail cash	1,492.00	1,492.00	2,984.00
19 Meals per week	1,529.00	1,529.00	3,058.00

Residence accommodation fees include heat/hot water, in-room local telephone services, voice mail, cable television (television set not supplied), House Council fees, and security services. Computer services access is available in each room with additional connection charges. Computer labs are available in Bernardine and Marian Halls with no additional fees.

Other Residence Fees

Residence Security Deposit	140.00
Confirmation and Residence Holding Fee (new residence students only). Must be paid by the due date on the offer letter.	200.00
Room Deposit (returning residence students only). Amounts are non-refundable and will be applied against first-semester residence fees. Due on/before date indicated on offer letter.	50.00
Due on/before 30 May	150.00
Due on/before 30 June	150.00
Due on/before 30 July	150.00
Refer to Sections 2, 4, and 5 of the Regulations Governing Payments and Refunds and General Residence Information.	

CAMPUS PARKING FEES

The University provides pay parking for students, faculty, staff, and visitors to the campus. Permits are required during the parking enforcement hours of 7:00 a.m. to 5:00 p.m., Monday to Friday (excluding statutory holidays). Students may obtain parking permits by completing an application and making the required payment at the Accounting Office.

Student Parking Fees (subject to change without notice):

• Full-Time Student	
1st Vehicle	80.00
Additional Vehicle	40.00
• Part-Time Student	
1st Vehicle	48.00
Additional Vehicle	24.00

The additional vehicle charge applies if the owner intends to have more than one vehicle on campus **at the same time**. Visitor parking during the enforcement hours, at an hourly rate of \$1.00 (daily maximum \$7.50), requires a time-stamped permit from the ticket dispenser (Pay & Display) located at the Visitor Parking Lot at the University Avenue entrance to the campus. This entitles the owner to park the vehicle in the Visitor Lot or in any general designated parking lot on campus.

A brochure outlining UPEI's traffic and parking regulations is available from the Accounting Office and the Security Service Office. Questions related to permits, fees, and payment should be directed to the Accounting Office, and enforcement matters should be addressed to Security Service.

Regulations Governing Payments and Refunds and General Residence Information

1. Fees for residence accommodation are payable during registration for first and second semester as specified under Calendar Dates 2004–2005. Regulations governing payments and refunds for academic fees also apply to payment of fees for residence accommodations and meal services.
2. Students living in residence during the first semester who have paid the residence security deposit are not required to pay this when paying for second-semester residence accommodation.
3. The residence security deposit will be returned to graduating students (less any charges for damages or loss). Students returning to UPEI for the next year will have their residence security deposit balance credited to their account for the next academic year after 31 May. Keys must be returned to the residence assistant at the end of the academic year or at the time of vacating the residence.
4. The Residence Confirmation and Holding Fee for new UPEI residence students is payable to the University of Prince Edward Island upon the student's official acceptance to residence, and is then applied against the student's first-semester residence fees. Students who notify the Residence Office of their intention not to stay in residence are subject to the following refund schedule of the Confirmation and Holding Fee:
 - written notification postmarked/received before 1 July receive a \$150 refund;
 - written notification postmarked/received on/after 1 July but prior to 1 August receive a \$100 refund;

- written notification postmarked/received on/after 1 August receive no refund.
5. All fees are payable in full at the beginning of each semester.
 6. Students accepted to residence who have not paid their Confirmation and Holding Fee cannot be guaranteed residence accommodation. For further information, please contact the Residence Office at (902)566-0362 or e-mail residence@upei.ca.
 7. All students returning to a UPEI residence are required to submit periodic non-refundable room deposits to secure their residence space. These deposits will be applied against the student's residence fees. It is the student's responsibility to ensure that all deposits are forwarded to the University by the appropriate dates (see Other Residence Fees, in Residence Fees section). Residence space cannot be guaranteed for a returning student who fails to meet all deposit deadlines.
 8. Students are reminded that they are signing an eight-month (September-April) Residence Life Agreement, which is a legal lease agreement.
 9. The Residence Refund Policy, for students who choose to leave residence prior to the end of the Residence Life Agreement, is as follows (student must notify the Residence Office in writing and actually vacate the residence prior to the date indicated below in order to qualify for the refund):
 - prior to 1 October, 60% refund of first-semester Residence Fees;
 - on/after 1 October, but prior to 1 November, 40% refund of first-semester Residence Fees;
 - on/after start of second semester but prior to 1 February, 40% refund of second-semester Residence Fees;
 - on/after 1 February, no refund.

Note: Students vacating the residence on/after 1 November, but prior to the end of first semester, will be charged 40% of the second-semester fee for accommodation.
 10. Meals will be served only during the academic semesters, beginning with supper on the day previous to the first day of registration and ending with brunch on the day after the day of the last scheduled examination in each semester.
 11. All payments towards academic and residence fees may be made by cash, Interac, cheque, money order, credit card (Visa, MasterCard), or Student Loan Certificate of Eligibility.
 12. Payment of fees constitutes part of registration procedures. Fees not paid in full by the end of the second week of the semester are subject to late fees (subject to change):

Full-Time Students—\$60.00
Part-Time Students—\$30.00
 13. Discretionary powers in exceptional circumstances will remain with the Comptroller in all cases relating to the payment of fees.
 14. Students who pay their fees by cheque and subsequently have their cheque returned to the University will have the face value of the cheque, plus any bank charges, charged back to their account. In addition to this, a \$20 administration charge will be levied against the student and the student will be subject to the late fee as specified in Section 12 above.
 15. Proceeds from Student Loan and Bursary sources must be applied against educational debts incurred at the University of Prince Edward Island. Residual funds will go to the student after these debts have been paid.
 16. Outstanding accounts with the University are subject to a 1% interest charge per month. This rate may change from time to time as market conditions fluctuate.
 17. The University reserves the right to add to, alter, or amend these regulations at any time during the academic year.
 18. The University reserves the right to recover from the payor any service charges associated with payment of fees by credit card.



7. Awards, Scholarships, and Bursaries

All applicants to UPEI will be automatically considered for entrance awards if applications are received by 1 April.

All awards will be based on grade 12 final fall or mid-term winter grades that are used for Admissions purposes. Inspiring Excellence Awards will be made on an ongoing basis, using Grade 12 grades as noted above, for students with an average of 85% or more.

Scholarships must be accepted in writing no later than 15 May. Awards that are declined will be reoffered to the next eligible applicant on the ranked list made as of 1 April.

1. ENTRANCE SCHOLARSHIPS

A) FULL-TUITION RENEWABLE

- **The Wanda Wyatt Scholarships**

These prestigious scholarships, funded by the Wanda Wyatt Foundation, are awarded annually to three exceptional students graduating from PEI high schools, who are in excellent academic standing. Each scholarship is valued at \$5,000 and is renewable in each of the following three or four years of study, subject to the usual criteria for renewable scholarships. In a typical four-year program, scholarship-holders will receive \$20,000 in total. The Wanda Wyatt Scholarships are awarded to students who demonstrate the potential to contribute to the long-term development of PEI. Recipients must also demonstrate an aptitude for, or interest in, the cultural or artistic dimension of life.

Applicants will provide, in addition to their academic transcripts, a short personal statement and letters of reference. A Committee of five prominent Islanders will review the applications and a short list will be invited to attend an interview.

Information regarding the application process is available from PEI high schools in January of each year.

- **Michael S. Kelly Memorial Scholarship**

This full-tuition, renewable entrance scholarship is awarded to the student who best demonstrates characteristics of leadership, community involvement, outstanding athletic ability, and academic excellence. Continuance of the award is based on a normal load of 30 semester-hours of credit taken from September to April, and is subject to the usual criteria for renewable scholarships. Application forms are available from PEI high schools in January of each year.

- **The Harrison McCain Scholarship**

In honour of Mr. Harrison McCain, the Harrison McCain Foundation established a scholarship in 1999 to be awarded to a student attending the University of Prince Edward Island. This scholarship is valued at \$13,500 and will be payable over a

four-year course of study in any faculty. The criteria include:

- 80% average after first term of Grade 12, based on university preparatory courses;
- financial need;
- leadership qualities; and
- recognized initiative in students funding their own education.

This award is open to any high school student in Canada and continuance is based on maintaining a full course load and an overall academic average of 60% in year one, 70% in year two, and 75% in years three and four. Application forms are available from PEI high schools in early January, and the Registrar's Office at UPEI.

- **The Fred Bagnall Memorial Scholarships**
- **The Ronald J. Baker Scholarship**
- **The Marilyn Buist Memorial Scholarship**
- **The Gertrude Cotton Memorial Scholarships**
- **The Alberta McNab Daley Estate Scholarships**
- **UPEI Faculty Association Scholarships**
- **University of Prince Edward Island Scholarships**

Each year, a number of renewable scholarships are available to incoming first-year students. These are awarded by the Admissions, Scholarship, and Degree Committee on the basis of the high school record, extracurricular activities, and in some cases an interview. The scholarships will be continuing on the condition that scholarship-holders obtain a full course load of 30 semester-hours of credit taken from September to April, and obtain an average of at least 75% on the work of the first and second semesters combined in the first year, and 80% in the remaining years.

Application forms are available from PEI high schools in early January. Entrance scholarship candidates are reminded that the Registrar's Office should have received their applications and transcripts by the end of February. When making application, it is not necessary to specify a particular award. Out-of-province applicants are automatically considered for UPEI entrance scholarships and no separate application process is necessary. However, students from outside the province should apply for admission to UPEI before the end of February.

- **The Diagnostic Chemicals Limited Earl and Annie Duffy Scholarship**

This full-tuition scholarship is donated by Diagnostic Chemicals Limited and is awarded to an incoming science student with high academic standing. *Please note: it is not necessary to apply for this award as the recipient will be selected on the criterion of high academic standing.*

- **The Diagnostic Chemicals Limited Percy and Helen Murphy Scholarship**

This full-tuition scholarship is donated by Diagnostic

Chemicals Limited and is awarded to an incoming science student with high academic standing. *Please note: it is not necessary to apply for this award as the recipient will be selected on the criterion of high academic standing*

B) VARIOUS AMOUNTS RENEWABLE

• The Prince of Wales College Scholarship

This renewable scholarship, valued at \$2,000, is for the student entering UPEI from a Prince Edward Island high school who has been judged by the Scholarship Committee to best exemplify PWC's tradition of excellence. *Please note: there is no separate application process for this award.*

• 1,500-Plus Awards

The University of Prince Edward Island makes available for incoming first-year students a number of entrance scholarships valued at \$1,500, chosen on the same basis as full-tuition renewable scholarships. These scholarships are renewable in the second year of study at a value of \$600, provided that the student obtains an average grade of at least 75% on a full load of 10 courses (30 semester-hours of credit) taken during the September–April academic year.

• The Inspiring Excellence Awards

Every student admitted to the University of Prince Edward Island directly from high school, who has an average grade of 85% on the grade 12 courses considered for admission and is not in receipt of a UPEI scholarship of higher value, is eligible for a \$600 scholarship. The student must also have an average grade of 85% in five qualifying grade 11 academic courses, including English. The scholarship will be renewed in the second year of study provided that the student obtains an average grade of at least 75% on a full load of 10 courses (30 semester-hours of credit) taken during the September–April academic year. Applicants not applying in their year of graduation must be entering post-secondary studies for the first time and they must also meet the minimum 85% academic average requirement.

• The Claude and Dr. Bernice Bell Award (Music)

This renewable award is made to a full-time student enrolled in the Music program who has demonstrated financial need. The recipients of this award will have exceptional musical ability and/or potential as determined by the Music Department. Renewal of the award will be contingent upon maintenance of the passing average.

• The Mary O. Kinch Entrance Awards

Several scholarships ranging from \$1,000 entrance to \$2,500 renewable are available to full-time Music students, carrying a minimum of nine semester-hours of Music credit. Selection of the recipients will be based on the results of the audition performance and theory test.

• The Eleanor Reesor Wheler Memorial Entrance Scholarship in Music

This renewable entrance scholarship will be awarded to a first-year piano, string, or flute major upon entrance into the Bachelor of Music program who demonstrates a high standard of performance and the potential for substantial growth in the Bachelor of Music program. If no student applies who meets the above criteria, this scholarship may be awarded to any exemplary first-year student. In the event that there are no eligible entrants, then it may be awarded to a student entering the second, third, or fourth year of study who possesses distinguished performance and/or academic standing. The

Department's choice will be forwarded to the Scholarship Committee for ratification.

• The Russell S. Ramsay Memorial Trust Scholarship (Business/Nursing)

This scholarship, valued at \$1,000, is awarded each year to a graduating student from Westisle High School. The scholarship is presented to a student entering the first year of the Bachelor of Business Administration program at UPEI or the Bachelor of Nursing program at UPEI. The successful candidate will be the student with the highest academic standing entering either of the above programs and who will also demonstrate a concern and compassion for the welfare of others. *Please note: it is not necessary to apply for this award as the recipient will be selected on the criterion of high academic standing and in consultation with Westisle High School.*

• The Marilyn Buist Memorial Scholarship

One renewable full-tuition scholarship is awarded to a student entering the School of Nursing. *Please note: it is not necessary to apply for this award as the recipient will be selected on the criterion of high academic standing.*

• The Dr. Ninian LeBlanc Award

This is awarded to a first-year UPEI student who is a graduate of a Prince Edward Island high school, has a strong academic record, who is not already on a renewable scholarship, and is experiencing financial need. Recipients may receive this award for four years consecutively, provided they maintain the academic requirements established by the University.

C) NON-RENEWABLE

• The Orin Carver Scholarship

Scholarships of up to \$3,000 each are awarded annually to students who meet the following eligibility requirements that best exemplify those qualities demonstrated by Mr. Orin Carver as recognized by Premier Joe Ghiz and the Government of the Province of PEI. Applicants must be:

- graduates of a PEI high school or have completed the majority of their education in PEI;
 - placed in the top 25% of their class in their training/education program as verified by the institution they most recently attended;
 - continuing their education at the university or post-secondary community college level in PEI on a full-time basis; and
 - currently exhibiting a level of excellence and leadership in either the athletic or arts fields, and in community service, or a combination thereof.
- Finally, all applicants must have their scholarship applications endorsed by the educational institution attended; include a minimum of two letters of reference; and write an essay to the Selection Committee in which they explain how their involvement in amateur sports, or the arts and cultural development, and in community service, has contributed to their personal development. Application forms are available from PEI high schools in early January and the Registrar's Office at UPEI.

• The PEI Literacy Alliance—William J. Hancox Memorial Scholarship

This \$1,500 award will be made available to a first-year student, who is a mature student and has conquered literacy challenges in the past. Application forms are available at the Registrar's Office or Student Services.

- **The Calgary Friends of UPEI Scholarships**

Three non-renewable scholarships of \$3,000 each are available to first-year PEI students entering UPEI. In addition, there are four non-renewable scholarships of \$4,000 each for first-year students from Calgary. Recipients will be recommended to the Scholarship Committee by the Associate Registrar, Student Recruitment and Retention.

- **The Frederick M. Davison Award for Excellence**

This entrance scholarship, valued at \$5,000, is awarded on an annual basis to the student entering UPEI who has achieved well academically but not necessarily obtained the highest aggregate in high school, who exhibits dedication and a desire to make a difference to the community.

- **The Mildred I. and Earl W. G. Foster, Sr., Memorial Scholarship**

This scholarship, valued at \$1,500, is awarded to a graduating Colonel Gray student entering first year at UPEI. Candidates will have an average of 75-80%; be involved in music, especially singing, dance, and piano; and will intend to pursue a career in education. The successful applicant must not be receiving a scholarship of \$1,000 or more. For more details, please contact the Guidance Counsellor at Colonel Gray High School.

- **The Lettie M. Passmore Scholarships**

These scholarships, valued at \$1,000, are offered each year to students entering first year.

- **The R. H. Webster Foundation Scholarships**

These scholarships, valued at \$1,500, are offered each year to students entering first year.

- **The UPEI Women's Group Scholarship**

This entrance scholarship is made possible through the UPEI Women's Group. One award of at least \$1,500 is offered to a first-year UPEI student.

- **The Avery Scholarship**

The Avery Scholarship, valued at \$1,000, is awarded to a student from a PEI high school entering the first year of the Faculty of Arts at UPEI and planning to major in English. The recipient of this scholarship will be selected on the basis of an essay. Information regarding the application process is available from PEI high schools in January.

- **The Frances Dindial Memorial Entrance Scholarship**

This scholarship, of approximately \$600, is awarded to an entering full-time Music student whose last year of high school study was taken in a PEI high school. Selection of the recipient will be made on the basis of performance in an audition conducted by faculty members of the Music Department, and a theory test. The Department's choice will be forwarded to the Scholarship Committee for ratification.

- **The Mary O. Kinch Entrance Awards**

Several scholarships ranging from \$1,000 entrance to \$2,500 renewable are available to full-time Music students, carrying a minimum of nine semester-hours of Music credit. Selection of the recipients will be based on the results of the audition performance and theory test.

- **The Music Alumni Entrance Scholarships**

These scholarships, in amounts varying from \$250 to \$750, are for entering full-time Music students carrying a minimum of nine semester-hours of Music credit. They are awarded on the basis of performance in audition, conducted by faculty

members of the Music Department, and a theory test. The Department's choice will be forwarded to the Scholarship Committee for ratification.

- **The Julian Jaynes Memorial Entrance Scholarships**

A maximum of five scholarships of \$1,000 are presented on an annual basis to students entering the University of Prince Edward Island who intend to major in the study of Psychology. Applications will be reviewed by the Admissions, Scholarship, and Degree Committee using the general procedures established for all entrance scholarships.

- **St. Dunstan's University Board of Governors' Student Assistance Program**

There are a limited number of awards that are annually given to Catholic students of Prince Edward Island who are entering or currently attending a university or community college. The applicant must:

- be a resident of PEI;
- be a graduate from a PEI high school with a grade 12 average of at least 65% or must have achieved an average of at least 65% in the previous year of study;
- arrange for an official transcript to be sent to the Board Office;
- be a practising Catholic and arrange for a letter of recommendation to be forwarded from the parish priest or pastor; and
- attach a copy of conditional acceptance from the university or community college that s/he is planning to attend. Those in university must take a minimum of four courses and community college students must attend on a full-time basis.

These awards are renewable for the first four years of university only and for two years of study at a community college. The post-secondary institution must be non-profit. Awards will not be made to students receiving an award of \$750 or more.

Application forms may be obtained from the Student Assistance Program Committee, St. Dunstan's University Board of Governors, PO Box 1434, Charlottetown, PE C1A 7N1 and should be completed and forwarded no later than 28 June. *Please note: applications received later than that date will not be considered by the Committee, nor will they be referred to the Board for approval.*

- **The A. G. & Eliza Jane Ramsden Memorial Scholarships**

These scholarships of a minimum of \$1,000 and a maximum of full tuition will be awarded among full-time university students making application and with consideration for financial requirements and personal character and not already receiving a scholarship or bursary of more than \$1,000. Consideration may also be given to the academic standing of an applicant and/or an expressed interest or intent to pursue theological studies. Application forms available at the Registrar's Office.

- **The John Tremblay Bursary in Business Administration**

These bursaries are awarded, upon recommendation from the high school principal(s), to two students of good academic standing, not already receiving a scholarship of \$1,000 or more, who are graduating from a French-language high school on Prince Edward Island, and intending to enter the Business Administration program at UPEI. Application forms are available from French-language PEI high schools in early January.

2. CONTINUING SCHOLARSHIPS

A) AWARDS

(i) General

• **The Tsang Family Scholarship (Arts or Science)**

The Tsang Family Scholarship is awarded to a full-time student who has successfully completed 30 semester-hours in the first year of an Arts program and who, in the judgement of the Admissions, Scholarship, and Degree Committee, has demonstrated academic excellence, exemplary moral character, and extracurricular leadership. The eligible student will not already be receiving a scholarship of \$1,000 or more. Candidates must indicate through a letter of application and two references how they fulfill the criteria. The deadline for this award is mid-September and application forms are available from the Registrar's Office at the end of March.

• **The Parkdale-Sherwood Lions Club Scholarship**

This award is donated by the Parkdale-Sherwood Lions Club and is presented to a deserving student entering third year in Arts, Science, or Business.

• **The SDU Class of '62 Scholarship**

This scholarship will be available to a full-time UPEI student entering first, second, or third year who is enrolled in the Faculty of Arts, Science, or Business; has an academic average of at least 80%; and is involved with public service with an interest in humanities.

• **The G. Stewart MacKay Scholarship**

This scholarship is for a full-time student who has maintained a strong academic standing and is involved or interested in university affairs, including athletics or student politics.

• **The University of Prince Edward Island Alumni Prize**

This prize is for the graduating student with the highest aggregate in the fourth year of the Arts program.

• **The Ambrose Lee Prize**

This prize is for the graduating student standing highest in the Faculty of Arts.

• **The Réshard Gool Award for Creative Writing**

This award is for a full-time UPEI student who demonstrates excellence in Creative Writing.

• **The Department of Education: Island Student Awards**

Prince Edward Island students who are registered full-time for both academic semesters or terms at a PEI post-secondary institute may be eligible for an Island Student Award. These awards are applicable to a number of programs at UPEI, Holland College, and Collège de l'Acadie. UPEI students must be registered full-time in one of the following:

- the third or fourth year of a specific undergraduate program or Veterinary Medicine;
- the second year of the BEd program; or
- a fifth-year honours program.

The Department of Education will make the \$600 award payments directly to the educational institution on behalf of the qualified recipients. Students' accounts will be credited in January.

For more information, contact Student Financial Services, Department of Education, PO Box 2000, 16 Fitzroy Street, Third Floor Sullivan Building, Charlottetown, PE C1A 7N8.

Note: no application is required.

(ii) Arts

Economics

• **The Ramasamy Nagarajan Memorial Award**

This award is given annually to the graduating student standing highest in the Bachelor of Arts degree program majoring in Economics.

• **The RBC Dominion Securities Prize**

This prize is for the graduating student standing highest in Economics 251.

English

• **The Sarah Grimble Memorial Award**

This award is available to a full-time UPEI student, in first or second year, standing highest overall in English 201. The recipient will be selected by the UPEI Admissions, Scholarship, and Degree Committee.

• **The Henry Havelock MacFarlane Memorial Award**

This award is given to a deserving third- or fourth-year student in the English major or honours program. Nominations are made at the end of the academic year by the English Department to the Awards Committee.

• **The Reverend Brendan Megannety Award**

This award is presented annually to a UPEI student in the third or fourth year of the English major or honours program who best demonstrates a dedication to learning and scholarship within the discipline of English Language and Literature.

• **The Honourable Chief Justice John Paton Nicholson Memorial Award**

This award is granted to a deserving English major or honours graduating student who has completed, with high standing, a minimum of five courses in pre-1900 English Literature.

• **The Dorothy Cullen Memorial Award**

This award is presented, on the recommendation of the English Department, to a student majoring in English.

• **The W. B. Yeats Award**

This award is presented to an English major or honours student with a minimum grade average of 80% who has contributed significantly to the intellectual and social life of the Department. This award will normally be given to a graduating student, but may be awarded to a deserving non-graduating student. The student receiving this award should not, in the same year, have received one or more of the other prizes awarded to English students.

Fine Arts

• **The Jean Auld Memorial Prize in Fine Arts**

This prize is for the student with the highest standing in Fine Arts 101-102.

• **The Floyd Trainor Prize**

This award is presented to the student obtaining the highest mark in Fine Arts Studio 111.

History

• **The Irene Rhynes Memorial Scholarship**

This scholarship will be awarded to a full-time student enrolled in the Faculty of Arts, who expresses an interest in history, poetry, or international studies; has an academic average of at least 75%; and is not receiving any other scholarships of \$600 or more.

- **The Canadian Review of Studies in Nationalism Prizes**
These prizes are for the graduating History major or honours students with the highest and second-highest averages in all history courses.

- **The Orwell Corner Historic Village Prize in Memory of Wendell Boyle**

This prize is for the student with the best paper in History 402, Folk History of Rural PEI.

- **The Public Archives of PEI Prize**

This prize is for the student who, in the opinion of the faculty, has completed the best original historical research on a Prince Edward Island topic.

- **The Stevenson's Insurance Agency Limited Prize**

This prize is for the student with the highest standing in History 331-332, PEI History.

Modern Languages

- **The Ambassador of France to Canada Award**

This award is for a graduating student who is outstanding in French.

- **The Ambassador of Switzerland to Canada Award**

This prize is for a graduating student who is outstanding in French and German.

- **The J. Jarvis Stewart Memorial Prizes
(The J. Jarvis Stewart Memorial Award)**

These prizes are for the students ranking highest in Religious Studies 202, Religion and Denomination, and Religious Studies 462, Practical Theology.

Music

- **The Sister Katherine MacDonald Award**

This award is presented to the student standing highest in third-year Music.

- **The University of Prince Edward Island Music Society Scholarship (Year 3)**

This prize is for the full-time student entering the third year of a Bachelor of Music program and is awarded on the basis of overall positive attitude, leadership, and humanistic qualities.

- **The University of Prince Edward Island Music Society Scholarships (Years 2 and 4)**

These prizes are for a full-time student entering the fourth and second years of a Bachelor of Music program. They are awarded on the basis of growth and development of musicianship as demonstrated in the previous year of studies.

- **The Sisters of the Congregation of St. Martha of PEI Prize**

These two prizes are for the students standing highest in second-year Arts and in second-year Music.

- **The UPEI Tersteeg Music Scholarship**

This award is for a student entering the third year of a Bachelor of Music program based on the grades and performance standards achieved in the second year of the program.

- **The University of Prince Edward Island Mathis Music Award**

This award is for the full-time student entering second, third, or fourth year of a Bachelor of Music program who achieved the highest grade above 80% in Applied Music in Voice during

the previous year's study. Selection is also based upon the recommendation of the Voice professor.

- **The University of Prince Edward Island Reesor Music Award**

This award is for the full-time student entering second, third, or fourth year of a Bachelor of Music program who achieved the highest grade above 80% in Applied Music in Organ during the previous year's study. Selection is also based upon the recommendation of the Organ professor.

- **The Bevan MacRae Bursary**

This award was established by the Confederation Choir in recognition of former Director of Music, Gwilym Bevan, and former choir accompanist, Mrs. Helen MacRae. The award is for a student entering the third year of a Bachelor of Music program who best demonstrates interest and ability in the areas of choral conducting and/or accompaniment. The recipient is determined by the Admissions, Scholarship, and Degree Committee, on the recommendation of the Music Department.

- **The University of Prince Edward Island Student Union Prize**

This prize is for the graduating student with the highest aggregate in the fourth year of the Music program.

- **The Dr. Gustave Gingras Prize for Music**

This prize is for a meritorious graduating student in Music.

- **The Christine Burdett Scholarship in Music**

This scholarship will be granted to a full-time student entering the third year of a UPEI Music Program, awarded on the basis of growth and development of musicianship as demonstrated in the second year of studies.

- **The Florence Simmons Music Award**

This will be awarded annually to an organ student who has demonstrated a commitment to the advancement of the craft and artistry of organ-playing, and whose overall progress is deemed most meritorious based on the recommendation of the organ instructor.

Psychology

- **The H. M. Chiang Award**

This award is presented to an honours student in Psychology, selected by the Department, who demonstrates exceptional creativity in the honours thesis. *Please note: this award is not necessarily granted every year.*

- **The Psychological Association of PEI Award**

This award is for the outstanding graduating Psychology major chosen by the Psychology Department.

Public Administration

- **The Federation of PEI Municipalities-Gilbert C. Bell Memorial Award**

This award is granted by the Federation of Prince Edward Island Municipalities to a full-time undergraduate student who exemplifies an interest in a career in Public Administration by obtaining the highest mark in Political Studies 311 (Canadian Public Administration) in the academic year.

Sociology/Anthropology

- **The Dr. J. Clarence Murphy Memorial Scholarship**

This prize is awarded to the full-time PEI student majoring in Sociology, Anthropology, or Sociology/Anthropology entering

fourth year and who attained the highest overall average in his/her previous 20 courses and who is not in receipt of any other UPEI scholarship.

Women's Studies

- **The Bonnie MacPherson Award in Women's Studies**

This award is presented to the graduating student with a minor in Women's Studies who has exemplified excellence in scholarship by attaining the highest aggregate in Women's Studies courses.

- **The Friends of Women's Studies Award**

This award is for a third-year student, minoring in Women's Studies, who has contributed to the Women's Studies program through active participation in courses, and who has also demonstrated a strong commitment to improving the status of women at the University and/or in the community, as determined by the Women's Studies Co-ordinating Committee.

(iii) Business

General

- **The Harry MacLauchlan Memorial Award in Entrepreneurship**

This award is for a student entering fourth year who has taken Business 371 and demonstrates enthusiasm for self-employment, and shows promise for executing a business plan, already has his or her own business, or is actively involved in managing a family business.

- **The Charlottetown Chamber of Commerce Prize**

This prize is for a female student entering fourth-year Business who has achieved high academic standing.

- **The Freda Cox Memorial Award**

This award is for a graduating Business Administration student who has combined academic achievement with a marked interest in the program, and who has attended university primarily as a mature or part-time student.

- **The Hyndman and Company Limited Prize**

This prize is for a graduating fourth-year Business Administration student who, in the opinion of the School, has combined academic achievement, interest, and leadership to a high degree.

- **The Dale Mattock Scholarship for Women in Business**

This award is presented to a female student entering the third year of the Business Administration program. The primary criterion for selection is academic achievement, while financial need is a secondary consideration. Recommendation is made by the faculty of the School of Business Administration.

- **The Parkdale-Sherwood Lions Club Scholarship**

This award is donated by the Parkdale-Sherwood Lions Club and is presented to a deserving student entering third year in Arts, Science, or Business.

- **The Lawrence L. Parker Scholarship**

This prize is awarded to the returning student completing the third year of the Business Administration program, having taken a full load of 10 courses in the previous year, who is not receiving any other UPEI scholarship of \$1,000 or more.

- **The J. J. Revell Award in Business**

This award is for a full-time student entering fourth year who is not already receiving an award of more than \$2,000.

Selection will be based upon academic excellence and leadership, with particular emphasis on leadership in varsity sports.

- **The Royal Bank Centennial Award**

This award is for a full-time student entering the second, third, or fourth year of the Business Administration program who, in the opinion of the faculty of the School of Business Administration, best demonstrates strong academic performance, leadership, and commitment.

- **The Rundell Seaman Prize**

This prize is for the student standing highest in the Business Administration program.

- **The UPEI Bookstore Prize**

This prize is for the student standing highest in third-year Business Administration.

- **The Zonta Club of Charlottetown Business Administration Award**

This award is presented to a female student entering the final year of the Business Administration program who has a strong academic record and who exhibits leadership qualities.

Accounting

- **The Certified General Accountants' Association of PEI Prize**

This prize is for the graduating student who has achieved the highest average in Intermediate Accounting.

- **The Institute of Chartered Accountants of PEI Prizes**

One of these prizes is for the student who has the highest average in Accounting 401-402, and the other is for the student with the highest average in Accounting 415.

- **The T. Earle Hickey Award**

This award is for the graduating Accounting student who is actively involved in the University community, who is considered a team player, and is always willing to assist others in achieving their goals. This student will have maintained an average of at least 75% in the final two years of the Accounting program.

- **The Randolph Manning Prize**

This award is for the Accounting student graduating from the Business Administration program, with the highest aggregate in the final two years of the Business program, who is entering the CA profession.

- **The Society of Management Accountants of PEI**

This prize is for the student who has the highest average in Accounting 411-412, Cost Accounting.

- **The Society of Managerial Accountants Prize**

This prize is for the student standing highest in Accounting 321, Managerial Accounting.

- **The Yousef Hashmi Scholarship for the Study of Technical Analysis**

This scholarship is for the student who has successfully completed Business 432 and intends to pursue postgraduate studies as a certified technical analyst. Business 421 is also recommended to those interested in pursuing this field of study.

Corporate Financing

- **The Owen F. Mullin Prize**

This prize is for the student with the highest mark in Business 331, Corporate Finance.

Marketing

- **The Burger King-Bush Dumville Award**

This award is for the graduating Business Administration student standing highest in Marketing. *Please note: the accumulated grades from Business Administration 341, plus two courses from Business Administration 382, 392, 462, 477, or 479, determine the recipient.*

- **The George T. Fulford Memorial Marketing Award**

This award is for the student who has the highest mark in Business 341, Marketing.

(iv) Education

- **The Nellie Aitken Memorial Award**

This award is for the student starting second year of the Bachelor of Education program who demonstrates strong leadership, a passionate concern for the well-being of others, and who combines an infectious sense of fun with a deep commitment for teaching.

- **The Bell Debating Prize**

This prize is for the student who, in the opinion of the Education faculty, shows the most proficiency in the Instructional Communications course.

- **The Estelle Bowness Memorial Award**

This award is granted by the Prince Edward Island Teachers' Federation to a student in the Bachelor of Education program who shows promise of inspirational teaching.

- **The Faculty of Education Prize**

This prize is for excellence in practice teaching.

- **The Eric Stanley Hillis Memorial Awards**

These awards are granted annually to two students in the Bachelor of Education program who, in the opinion of the Dean, show the most promise of inspirational teaching.

- **The Knights of Columbus State Council Prize**

This prize is for the student who demonstrates excellent academic performance upon entry to the Bachelor of Education program.

- **The Little Red School House-Dorothy Campbell Memorial Award**

This award recognizes a student in first year of the Bachelor of Education program who, in the opinion of the faculty, shows strength, creativity, and promise as a classroom teacher.

- **The Elinor (MacDonald) MacLellan Scholarship**

This award is presented to a deserving, full-time student entering the second year of the Bachelor of Education program who, in the opinion of the Education faculty, shows exceptional promise and ability for a career in teaching. The criteria for evaluation will include a combination of personal suitability, academic achievement, relevant experience, and career orientation. Should there be no suitable candidate from the Faculty of Education, a deserving Music student will be considered.

- **The F. J. McNeill Award**

This award is for a deserving student in the final year of the Bachelor of Education program.

- **The National Bank Prize**

This prize is for the student standing highest in the final year of the Bachelor of Education program.

- **The PEI Retired Teachers' Association Award**

This award is given to the student standing highest after the first year of the Bachelor of Education program who is not already on scholarship.

- **The PEI Retired Teachers' Association Prize**

This prize is for a graduating student in the Bachelor of Education program who, in the opinion of the Education faculty, demonstrates a high degree of competence and ability to prepare and present learning materials to students in a classroom situation.

- **The Dr. Walter R. Shaw Prize**

This prize is for the student standing second-highest in the final year of the Bachelor of Education program.

- **The Sisters of Notre Dame Convent Prize**

This prize is for the student standing highest in first-year Education.

- **The Jean S. Lockerby Memorial Scholarship**

This scholarship is for a full-time student entering the second year of the Bachelor of Education program who, in the opinion of the faculty, shows exceptional promise and ability for a career in teaching and who is not already receiving awards totaling \$500 or more in the same year. The prime criterion for evaluation will be strong academic achievement, but will also include community involvement, personal suitability, relevant experience, and career orientation.

(v) Nursing

- **The Sister Mary Gabriel Memorial Scholarship**

This prize is awarded to the third-year Nursing student from a PEI high school who has completed at least nine semester-hours of credit in each semester of third year, who is standing highest in Nursing 313 and Nursing 323, and who is not already on a scholarship of \$1,000 or more.

- **The Dorothy C. Hall Scholarship**

This prize is awarded to a graduating student standing first in Nursing 401, Nursing and Population Health.

- **The Cordelia Harrington-Butler Nursing Scholarship**

This prize is awarded to the first-year Nursing student, not already on scholarship, who has the highest academic achievement in his or her first year of study. The successful student must be returning to UPEI to continue studies in the second year of the program. In the case of two equally qualified students, the scholarship will be awarded to the one who is determined by the Admissions, Scholarship, and Degree Committee to have the greatest financial need.

- **The Dorothy MacCaull-MacKenzie Memorial Award for Nursing**

This prize is awarded to a full-time Nursing student at UPEI standing second-highest at the end of the first year of the Nursing program.

- **The Marina MacDonald Memorial Bursary**

This prize is awarded to a student with an outstanding bedside manner, coupled with knowledge and skill in clinical practice as demonstrated during the clinical course, Nursing 310, Integrated Clinical Experience. The secondary criterion for awarding this bursary will be financial need.

- **The Margaret F. Munro Scholarship**

This prize is awarded to the student standing highest in the fourth year of the Nursing program.

- **The PEI Hospital School of Nursing Alumnae Association Award**

This prize is for a full-time second-year student who displays excellence in bedside nursing while maintaining a satisfactory academic record.

- **The Queen Elizabeth Hospital Auxiliary-Florence MacKenzie Roper Memorial Prize**

This prize is awarded to a Nursing student entering fourth year, in recognition of outstanding bedside manner, accompanied by knowledge and skill in clinical practice, and who is not already receiving a scholarship of \$1,000 or more.

- **The Vera Ralling Memorial Award**

This award is for the third-year student demonstrating particular competence in nursing practice in home care (clinical performance in Nursing 313 is used as a basis).

- **The Ruth Isobel Ross Bursary**

This award is for the student with the highest academic achievement in second-year Nursing, not already on an award of \$1,000 or more.

- **The Rotary Club of Hillsborough Nursing Award**

This award is presented to the student with the second-highest academic achievement in the third year of the Nursing program, having completed all the first- and second-semester core nursing courses within one academic year.

- **The Royal Edward Chapter IODE Bursary**

This prize is for a first-year student receiving the honour of being the highest in nursing achievement in the first year of the Nursing degree program.

- **The Judith Smitheram Doherty Scholarship**

This prize is awarded to the third-year Nursing student demonstrating particular clinical competence in working with the elderly.

- **The UPEI School of Nursing Endowment Award**

This award is for the student with the second-highest academic achievement in second year, taking no fewer than 24 semester credits in Fall/Winter courses.

- **The Zonta Club of Charlottetown-Mona G. Wilson Memorial Scholarship**

This prize is awarded to a student who has completed the second year at the School of Nursing with the highest achievement in Nursing 213, Nursing in Young Families.

(vi) Science

General

- **The Ambrose Lee Prizes**

These prizes are for the graduating students standing highest in the Faculties of Arts and Science.

- **The Diagnostic Chemicals Limited Prize**

This prize is for the student standing second-highest in the fourth year of the Science program.

- **The Kwok-Yau Lee of SDU '62 Scholarships**

These awards are presented to the third-year students in the Faculty of Science and the Faculty of Arts who are judged to have the best academic records proceeding to their fourth year.

- **The Parkdale-Sherwood Lions Club Scholarship**

This award is donated by the Parkdale-Sherwood Lions Club and is presented to a deserving student entering third year in Arts, Science, or Business.

- **The Faculty of Science Merit Awards**

Every year, a number of students from the Faculty of Science are recognized for superior academic standing, together with leadership and service qualities displayed during the past academic year.

Biology

- **The Biology Club Award**

This award is granted, upon the recommendation of a selection committee, to a graduating student in Biology who is intending to undertake further study in Biology.

- **The Geoff Hogan Biology Honours Research Grants**

These grants are awarded to assist honours students in Biology in conducting their research programs.

- **The Henry Havelock MacFarlane Ecology Award**

This award is presented to a third- or fourth-year student studying Marine Life or Ecology.

- **The Dr. Constance Ida MacFarlane Prize**

This prize is for a Biology student, preferably graduating, with particular botanical interests.

- **The Dr. Constance Ida MacFarlane Scholarship**

This award is for a Biology major or honours student entering third or fourth year. Preference is given to students with marine botanical or botanical interests.

- **The Prince of Wales College Class of 1938 Bursary**

This award is made to the student from the current graduating class who is receiving a Bachelor of Science degree with a major or honours in Biology, and who has achieved the highest aggregate in the core Biology courses.

- **The William A. Reddin Memorial Scholarship**

This award is for a deserving Biology major, or honours Biology student, with a special interest in Plant Science who is entering third or fourth year.

- **The Honourable John Richards Prize**

This prize is for a student from any year who has an agricultural future in mind.

Chemistry

- **The Honourable Gordon L. Bennett Award**

This award is granted, upon the recommendation of the Chemistry Department, to a graduating student completing with distinction a program with concentration in Chemistry. The award is not necessarily given every year.

- **The UPEI Chemistry Department (1978) Award**

This award is granted, upon the recommendation of the Department, to the student completing the second year of the Chemistry program with the highest aggregate in core courses.

Computer Science

- **The Bank of Montreal Computer Science Scholarship**

This award is for the student who achieves the highest aggregate entering the third year of the Computer Science program, based on a 10-course load in the second year, and who is not already receiving a scholarship of \$1,000 or more.

- **The Honourable R. Lloyd G. MacPhail, CM, Prize**

This prize is awarded to the graduating student ranking highest in the Computer Science program.

Engineering

The Association of Professional Engineers of PEI Awards

- **The Norman F. Stewart Engineering Scholarship**

(formerly known as the "Professional Engineers Scholarship")

This award was established by the Association of Professional Engineers of Prince Edward Island and is granted to the third-year Engineering student with second-place standing who intends to continue study towards an Engineering degree. This award is given to the student with the second-highest academic standing on the common courses successfully completed by the candidates.

- **The Laurie A. Coles Engineering Scholarship**

(formerly known as the "Professional Engineers Scholarship")

This award was established by the Association of Professional Engineers of Prince Edward Island and is granted to the third-year Engineering student with third-place standing who intends to continue study towards an Engineering degree. This award is given to the student with the third-highest academic standing on the common courses successfully completed by the candidates.

- **The Confederation Bridge Awards**

These awards were established by Strait Crossing Bridge Limited to assist two deserving students who are studying Engineering at the University of Prince Edward Island. The awards are granted to one male and one female student, who, upon completion of the third year of the Engineering program, intend to complete a degree in Civil or Mechanical Engineering and who are not already recipients of academic awards.

- **The Frank Curtis Memorial Scholarship**

This award was established by the PEI Road Builders and Heavy Construction Association and is granted to the top second-year Engineering student who intends to continue study towards an Engineering degree. The award is given to the student with the highest academic standing on the common courses successfully completed by the candidates and is renewable to each recipient after the third and fourth year of study, upon the condition that the student continues in Engineering and maintains an academic average of 80% or higher. For renewal, the student must send proof of enrollment and a transcript of marks to the PEI Road Builders and Heavy Construction Association each year.

- **The Noel MacAleer Award**

This award is presented to the student chosen by the Engineering Department who best displays the positive attributes and qualities of the late Noel MacAleer.

- **The Richard George Matheson Memorial Engineering Scholarship**

This award was established by the Association of Professional Engineers of Prince Edward Island and is granted to the top third-year Engineering student who intends to continue study towards an Engineering degree. This award is given to the student with the highest academic standing on the common courses successfully completed by the candidates.

- **The Alan Moore Memorial Award**

This award is for a deserving second-year student entering

third-year Engineering at the University of Prince Edward Island and who, in the judgement of the Department of Engineering, best combines academic performance, need, and qualities desirable in a future Engineer.

- **The Ernest and Bernice Smith Award in Engineering**

This award is presented to a first-year engineering student who ranks highest academically overall after a full year of common courses and who is continuing in the Engineering Program at UPEI.

Family and Nutritional Sciences

- **The Sister Ellen Mary Cullen Award**

The Sisters of St. Martha of Prince Edward Island present this award, in honour of Sister Ellen Mary Cullen, to a PEI student in the third or fourth year of the Family and Nutritional Sciences program. The recipient must, in the view of the Family and Nutritional Sciences Department, demonstrate the potential to make a significant contribution to the ideals of home, family life, and society.

- **The Dairy Farmers of Canada Undergraduate Student Award**

This award is for a graduating student in good academic standing, who is involved in the student body and plans to continue studies in Dietetics/Nutrition in a recognized internship program or graduate school in Canada.

- **The Lydia Gordon Memorial Scholarship**

This award is for a Prince Edward Island student (preferably from King's County) entering third or fourth year of the Family and Nutritional Sciences program who has demonstrated academic ability.

- **The Mrs. W. Chester S. McLure Memorial Awards**

These awards are presented to the graduating students standing first and second in the Bachelor of Science Family and Nutritional Sciences program.

- **The Hazel L. Stearns Memorial Prize**

This prize is for a graduating student in the Department of Family and Nutritional Sciences who intends to continue studies in Nutrition and Dietetics.

- **The PEI Home Economics Teachers' Association Prize**

This award will be granted to a student of the Family and Nutritional Science Program at UPEI who is enrolled in the Bachelor of Education program in the next semester.

- **The Heather Henry MacDonald Scholarship in Family Science**

This scholarship will be available to a full-time UPEI student enrolled in Family and Nutritional Sciences in the Faculty of Science, who is entering his or her third year of study with a declared major in Family Science. The recipient should have a demonstrated commitment to working with families, and have an academic average of at least 80% and not already receive a scholarship of more than \$600.

- **The Elizabeth Cousins Large Memorial Scholarship**

This scholarship is open to any student entering the junior or senior year in the Family and Nutritional Sciences Program at UPEI, or a UPEI graduate who has been accepted for graduate study in Home Economics or a related field. Applicants must have superior academic standing combined with a demonstrated concern for others. The deadline for this award is mid-December and application forms are available from

the department of Family and Nutritional Sciences in early November.

- **The Doris M. Anderson Award**

This award is to be granted to a student entering fourth year of the Family and Nutritional Sciences program at UPEI. The award is based on academic merit and demonstrated attitude towards the profession of Family and Nutritional Sciences. Interested students are to apply by letter to the Association's Awards Committee, PO Box 2633, Charlottetown, PE C1A 8C3.

Mathematics

- **The Harry MacLauchlan Memorial Award in Mathematics**

This award is for students entering the second, third, or fourth year of full-time study who demonstrates enthusiasm and aptitude for problem-solving, and/or students with a major or minor in Math who assist other students through tutoring.

- **The Dr. Gustave Gingras Mathematics Award**

This award is granted to a graduating student majoring in Mathematics who has the highest aggregate in the core courses in Mathematics.

- **The Rena Maud MacLean-Gingras Memorial Prize for Mathematics**

This prize was established by Dr. Gustave Gingras, former Chancellor of the University, in memory of his wife. It is awarded upon completion of the second year of studies, to a student selected by the Department who intends to major in Mathematics.

- **The Icosahedron Prize**

This prize is awarded to the student who scores highest in the Putnam Competition. It is administered by the co-ordinators of the Putnam Competition and presented each year in March after the results are announced.

- **The Dr. Gordon MacDonald Prize in Mathematics**

This prize will be granted to a Mathematics major or honours student who, in the opinion of the faculty of the Department of Mathematics and Statistics, achieves the highest academic performance in the third year of the program.

- **The Dr. Lowell Sweet Calculus Prize**

This prize will be granted to the top student in first-year Calculus, based on the top mark of combined average for Math 151 and Math 152 during the regular academic year (September through April).

Physics

- **The Dr. Wenonah Foster Memorial Prize in Astronomy**

This prize is awarded to the student of Astronomy who, in the judgement of the Physics Department, best exemplifies the spirit of astronomers everywhere: the combination of scientific inquiry and aesthetic appreciation involved in understanding the universe.

- **The Chin-Hai Lin Memorial Award**

This award is for the student majoring in Physics who achieved the highest overall average in second year.

- **The Tse-Hong Loh Memorial Award**

This award is for the student majoring in Physics or Physics with Engineering who achieved the highest overall average in third year.

- **The Mahendra Madan Memorial Prize**

This prize is for the student standing highest in Physics 261, Energy.

- **The Physics Department Prize**

This prize is for the student standing highest in Physics 221, Modern Physics.

- **The Earl Wonnacott Prize**

This prize is for the student standing highest in Physics 252, Astronomy.

Radiography Program

- **The Doctor Temple Hooper Scholarship**

This scholarship of \$1,000 was created by the Department of Health and Social Services in recognition of Dr. Hooper's contribution to the delivery of health care in PEI. Applicants must:

- be a legal resident of PEI;
- have completed the second year of the Bachelor of Radiography program at UPEI;
- not have been on a scholarship during the second year of study; and
- have achieved the highest academic standing of all eligible candidates.

Students must apply by **1 August** after completing their second and before entering their third year of study. Forms are available in the Office of the Registrar.

(vii) Additional Special Awards/Medals

- **The Prince of Wales College Scholarship**

This renewable scholarship, valued at \$2,000, is for the student entering UPEI from a Prince Edward Island high school who has been judged by the Scholarship Committee to best exemplify PWC's tradition of excellence. *Please note: there is no separate application process for this award.*

- **The Frederick M. Davison Award for Excellence**

This entrance scholarship, valued at \$5,000, is awarded on an annual basis to the student entering UPEI who has achieved well academically, but not necessarily obtained the highest aggregate in high school, who exhibits dedication and a desire to make a difference to the community.

- **The Governor General's Medal (Graduate)**

This medal is awarded to the graduating MSc student who has achieved the highest academic standing in a combination of course work and thesis, and whose record in the program, in the view of the AVC Graduate Studies and Research Committee, is so distinguished as to warrant special recognition.

- **The Governor General's Medal (Undergraduate)**

This medal is awarded to the graduating student who has achieved the highest aggregate in four years of an undergraduate program. This student will also receive the **Polyclinic Prize**.

- **The UPEI Faculty Association Gold Medal**

This medal is awarded to the student with the highest standing in third year.

- **The UPEI Faculty Association Silver Medal**

This medal is awarded to the student with the highest standing in third year, in a Faculty other than that of the Gold Medal winner.

• **The Henry Birks & Sons Medal and The Peake and McInnis Limited Prize**

This medal and prize are awarded to a graduating student who has demonstrated, to an outstanding degree, qualities of scholarship and leadership within the University community. Recommendations for this award may be made by any member of the University community to the Admissions, Scholarship, and Degree Committee by 31 March. Winners of the Governor General's Medals will not be eligible for this award.

• **The R. G. Thomson Academic Achievement Medal**

This award is given to the graduating student in Veterinary Medicine with the highest cumulative average grade for the four-year program.

B) BURSARIES

• **The Ivan and Blanche Darrach Bursary**

This bursary was established in 1995 through the generosity of Mr. and Mrs. Darrach as an expression of their Christian faith and their desire to help others. Applicants must intend to register during the following academic year for full-time studies at UPEI at the second-, third-, or fourth-year level. In granting bursaries, priority will be assigned in descending order to the following:

- good Christian character;
- financial need; and
- passing-or-better grades.

Successful candidates are selected by the Board of Trustees, Trinity United Church, Charlottetown. The deadline for this bursary is 31 May. Terms of reference and application forms are available from the Registrar's Office in early January.

• **The PEI Advisory Council on the Status of Women Bursary for a Full-Time Female Student**

To be eligible for this bursary, applicants must meet the following criteria:

- be registered at the University of Prince Edward Island;
- be enrolled in a full-time program;
- have been out of school for at least two full years;
- be able to demonstrate financial need; and
- be a custodial caregiver of one or more dependants.

The deadline for application is 15 November. Application forms are available from the PEI Advisory Council on the Status of Women Office and the Registrar's Office in early September. Please complete the Advisory Council's application form and return it to Prince Edward Island Advisory Council on the Status of Women, PO Box 2000, Charlottetown, PE C1A 7N8.

• **The Provincial Chapter of the IODE Scholarship**

This award, based on academic performance and need, is presented annually towards tuition fees in the second semester to a deserving UPEI student entering second year who has been a resident of Prince Edward Island for at least five years. Application forms are available at the Registrar's Office in early September and the deadline for receipt of applications is mid-November.

• **The Dr. Elizabeth Fox Percival Memorial Award**

This award was established at the University of Prince Edward Island in memory of Dr. Elizabeth Fox Percival, a distinguished professor of Psychology and Women's Studies at UPEI from 1971 to 2001. It is awarded to a full-time student in third year or above in high academic standing who is an accepted Psychology major and declared Women's Studies minor. The recipient will demonstrate a strong commitment to

improving the status of women at the University and/or in the community, as determined by the Awards committee, which includes the Awards, Scholarship, and Degree Committee, the Co-ordinator of Women's Studies, and the Chair of Psychology. Candidates must indicate through a letter of application how they fulfill the criteria.

The deadline for this award is 15 March, and application forms are available from the Registrar's Office, Student Services, the Dean of Arts, and the Psychology and Women's Studies Departments.

(i) General (any faculty)

• **The Albert Bing Ching Young Memorial Scholarship**

This award is an annual full-tuition scholarship for a resident of Prince Edward Island who has attended an Island high school and is entering the first year of full-time studies at the University of Prince Edward Island. The award will be given on the basis of academic merit to a student who is not already on scholarship and who has demonstrated financial need. The deadline for this award is mid-October and application forms are available from the Registrar's Office in early September.

• **The June Doull MacDonald Bursary**

This bursary will be awarded annually to a female mature student. The recipient shall be determined by the UPEI Admissions, Scholarship, and Degree Committee based upon financial need. Applicants must be in good academic standing.

• **The North Nova Scotia Highlanders Memory Club Bursary**

This bursary is awarded annually to a full-time student on the basis of demonstrated financial need. The North Nova Scotia Highlanders was formed in June 1940, from the four units of 18 Highland Brigade NPAM: the Pictou Highlanders, the North Scotia Highlanders, the Cape Breton Highlanders, and the Prince Edward Island Highlanders. On 31 July 1941, the battalion arrived in Avonport, England. During the following three years, the unit participated in exercises as part of the Allied effort in the Second World War. On 6 June 1944, they landed in Normandy, carrying out an important role in the D-day invasion and they continued to serve until the war ended on 8 May 1945.

• **The Rotary Club of Charlottetown Bursary**

This bursary is awarded to an international student, enrolled in full-time studies at the University of Prince Edward Island. Academic achievement and financial need are the selection criteria; therefore, students from developing countries will be of particular interest.

• **The Austin A. Scales Scholarships**

These scholarships are open to rural students from Prince Edward Island attending UPEI. One award will be given each year to a student from each of the three counties of the province. Selection will be made on the basis of financial need and achievement in the first year of a university program.

• **The UPEI Alumni Association Scholarships**

Every fall, the UPEI Alumni Association offers the **Donna and Peter Meincke Alumni Scholarship**, the **Earl F. Nicholson Alumni Scholarship**, and the **Bill Ledwell Alumni Scholarship**. Applicants must be full-time students in their fourth year of a first-entry program at UPEI, carrying at least a normal load of five courses per semester and are scheduled to graduate in the spring of that academic year. The awards will be based on academic performance and financial

need and are for one year only. Applicants must submit, with the application form, a one-page letter outlining their individual circumstances and, consequently, their eligibility for the above-mentioned awards.

• **Prince Edward Island Council of Women Bursary**

This award is made annually on the recommendation of Student Services and the Admission, Scholarship, and Degree Committee to a student of mature years, female, and in full-time study in any year.

• **The UPEI Bursary Fund**

A sum of money is available each year from a variety of sources within the UPEI Community, which provides funding for the following awards:

- UPEI Alumni Association Bursaries
- UPEI Memorial Bursaries
- UPEI Memorial Bursaries for Students with Disabilities
- UPEI “Merit” Awards and Bursaries

Please note that the number of bursaries offered and the monetary value of each one is subject to change every year. Full-time students in any year may apply, and the awarding of these bursaries is based on financial need.

• **UPEI Women’s Group Bursaries**

These bursaries are made possible through the UPEI Women’s Group. One bursary is awarded to a mature female student who is experiencing financial need. The second bursary is awarded to a student in any faculty who is in severe financial need.

• **The Kiwanis Club of Charlottetown Eugene “Toots” Richard Memorial Bursary**

This bursary is awarded to a UPEI student who is a full-time resident of this province and who meets the following criteria:

- involvement in any, or some combination of, university or community service work or other activities of a charitable nature. This involvement should contribute to the learning or developmental process; for example, coaching, tutoring, etc. Special consideration is given to those applicants who are concerned with the needs of children;
- financial need; and
- good academic standing.

A candidate must submit one letter of reference with the application, and provide evidence of their participation in student activities and of their community service involvement.

• **The Royal Commonwealth Society (PEI Branch) Bursary**

This bursary is awarded annually to a UPEI student from any Commonwealth country, other than Canada, in any field of study. The award is based on academic excellence and need. It seeks to recognize students who will use their studies to contribute to the development of their country of origin. Preference will be given to students from developing countries. If, however, there are no qualified applicants from outside Canada, then Canadian applicants will be considered.

• **The Harold B. Schurman Bursaries**

Several bursaries are made available for the second semester as a result of a generous bequest from the estate of the late Summerside businessman, Harold B. Schurman. Full-time students who are resident in the province and who are graduates of any PEI high school will be considered. Awarding of these bursaries is based on financial need and academic accomplishment.

• **The MacAskill Bursaries**

Two bursaries are awarded annually to full-time UPEI students of good academic standing, based upon financial need as demonstrated in the application.

• **The UPEI Student Union and Alumni Association Student Leadership Bursaries**

These bursaries are awarded to full-time students, in good academic standing, who demonstrate leadership in University life including, but not limited to, University clubs, student unions, residence assistants, athletics, tutoring, peer support, or other activities.

(ii) Arts

• **The Elsie Cuthbertson Memorial Music Bursary**

This bursary is awarded each year to a full-time student enrolled in the Music program at the University of Prince Edward Island. Recipients of the award will have a demonstrated financial need. Preference will be given to students of Voice and Canadian citizens. *Please note: application forms are also available from the Music Department.*

• **The Theresa (Zaat) Maloney Memorial Music Bursary**

This bursary is awarded to a full-time music student in financial need. The applicant must demonstrate musical merit and have made a contribution to the community, musical or otherwise, through a positive and caring attitude. *Please note: application forms are also available from the Music Department.*

• **The Dr. Elaine Harrison Award and The Winnifred Paton Award**

These two awards will be presented to second-, third-, or fourth-year full-time returning students, who are talented and needy and are working towards a degree in either Arts or Music.

(iii) Business

• **The William Van Rooyen Senior Memorial Bursaries**

These awards have been established in memory of William Van Rooyen, Sr., to ensure that students facing financial challenges are given the opportunity to complete their university education. Several bursaries will be awarded annually to students in the third and fourth years of the Business Administration program who are specializing in Accounting and intending to go into the Chartered Accounting profession. The bursaries will be awarded on the basis of financial need, with preference being given to students who have an agricultural and/or Dutch background. Applicants must be in good academic standing and will be asked to supply a statement outlining how their background meets the criteria.

(iv) Nursing

• **The Charlottetown Hospital Nurses Alumnae Bursary**

This bursary is available to alumnae of the Charlottetown Hospital School of Nursing, pursuing post-RN studies through UPEI at UNB or St FX. If there are no alumnae members enrolled in any of these post-RN programs, the award will be made available to a direct descendant of an alumnae of the Charlottetown Hospital School of Nursing who is enrolled in a post-RN program at either UPEI, UNB, or St FX, or the BN program at UPEI. If there are no alumnae or direct descendants of alumnae enrolled in a post-RN in any of the universities mentioned or in the BN program at UPEI, the award will be made available to a student entering fourth year of the Nursing program at UPEI. The selection is based primarily on financial need.

- **The Sister Mary Gabriel Memorial Bursaries**

A number of annual bursaries are awarded to PEI students enrolled in the School of Nursing program at UPEI, on the basis of financial need and scholarship. For the purpose of these bursaries, "PEI residency" is defined as having spent a significant portion of one's life in this province. *Please note: candidates are required to submit a letter in which they describe their current situation.*

- **The Adele Gardiner Nursing Bursary**

This bursary is available to a full-time second-, third-, or fourth-year UPEI Nursing student from Prince County, or who has received his/her pre-university education in Prince County. The applicant must demonstrate financial need and be maintaining a good academic standing.

- **The Margaret (Griffin) Mullen Bursary**

This annual bursary is awarded to any PEI single parent (male or female) who is a full-time student taking at least three courses per semester in the School of Nursing at the University of Prince Edward Island. It is awarded on the basis of financial need after the first year of study. Applicants must have maintained an average of 65% in their Nursing courses in the first year of study. For the purposes of this bursary, "PEI residency" is defined as having spent a significant portion of one's life in this province.

- **The PEI Hospital School of Nursing Alumnae Bursary**

This bursary is awarded each year to a fourth-year student, enrolled in the Nursing program at UPEI, who has demonstrated financial need. The applicant must not be in receipt of any other scholarship or bursary valued at or above \$500.

Please note: application forms for all of these Nursing awards are also available from the School of Nursing.

(v) Science

- **The Coles Associates Limited Scholarship**

This scholarship is awarded, on the basis of financial need, to a high school graduate from Prince or King's County who is enrolled in first year of a Science or Engineering program at the University of Prince Edward Island.

- **The Earle and Violet Norrie Memorial Bursary**

One bursary of \$700 will be available to a full-time UPEI student enrolled in the Faculty of Science who, by the criteria established by the Registrar's Office at UPEI, has a demonstrated financial need.

- **The PEI Advisory Council on the Status of Women Engineering Bursary for Women**

This bursary is for women studying Engineering at UPEI, in recognition and support of women pursuing non-traditional fields. It is awarded to a woman entering her third year of study who maintains a passing average and demonstrates financial need.

(vi) Single Parents

- **The Gerald W. Auld Memorial Bursary**

This bursary is awarded annually to a full-time student who is a single parent, deemed by the Admissions, Scholarship, and Degree Committee to be in the greatest financial need. Although applicants must be in good academic standing, high marks are not a criterion for selection.

- **The Zonta Club of Charlottetown Single Mother Bursary**

This bursary will be awarded to a single mother attending

UPEI, who is taking at least three courses in the fall semester. The applicant must be a single, widowed, separated, or divorced mother and have one or more children living at home.

- **The Notre Dame Academy Alumnae Bursary**

This bursary is awarded annually to a full-time student who is a single parent with children living at home. The selection will be based primarily on financial need and applicants must be in good academic standing.

- **The Laura M. Pickard Bursary**

This award was established by Mr. Donald Pickard in respect for and appreciation of his mother's exceptional commitment to her family and concern for her community. This bursary is awarded annually to a returning full-time, mature, PEI student who is a single parent. The selection is based primarily on financial need and applicants must be in good academic standing.

C) SCHOLARSHIPS (RENEWABLE)

- **The UPEI Alumni Association Scholarships (the Ronald J. Baker, the C. W. J. Eliot, and the Elizabeth R. Epperly Awards)**

The Alumni Association of UPEI offers a renewable scholarship to a full-time, second-year student who achieves the highest averages in 10 courses in a first-year (September–April) program and who would not otherwise be on scholarship. Scholarships will be renewed if the student maintains an 80% average and continues full-time studies at UPEI. *Please note: it is not necessary to apply for these awards as the recipients will be selected by the Admissions, Scholarship, and Degree Committee. The Alumni Association's Board of Directors will be informed of each year's recipients following the selection.*

D) SCHOLARSHIPS (NON-RENEWABLE)

- **The Roger-Cairns Scholarships**

These scholarships result from a bequest by the late Mary E. R. Cairns of Freetown, PEI. At the time of application, candidates must intend to register during the following year for full-time studies at UPEI at the third- or fourth-year level. Applicants must be abstainers from tobacco, alcohol, and non-medicinal drugs. Scholarships are awarded on the basis of academic standing, integrity, and character, with priority assigned in descending order to the following categories. As recognized by their denominations, applicants are:

- intended candidates for full-time work in Protestant denominations;
- intended candidates for full-time work in the Roman Catholic Church;
- intending to enter Medicine, Dentistry, or Nursing.

Students may apply during their second year for support during their third year, or during their third year for support during their fourth year. Scholarships granted for third-year studies may be renewed for a fourth year following satisfactory completion of third-year studies. Successful candidates are selected by the Board of Trustees of Trinity United Church, Charlottetown. The deadline for application is 30 May, and forms are available from the Registrar's Office.

- **The Department of Education: Island Student Awards**
Prince Edward Island students who are registered full-time for both academic semesters or terms at a PEI post-secondary institute may be eligible for an Island Student Award. These awards are applicable to a number of programs at UPEI, Holland College, and Collège de l'Acadie. UPEI students must

be registered full-time in one of the following:

- the third or fourth year of a specific undergraduate program or Veterinary Medicine;
- the second year of the BEd program; or
- a fifth-year honours Program.

The Department of Education will make the \$600 Award payments directly to the educational institution on behalf of the qualified recipients. Students' accounts will be credited in January. *Please note: the lifetime maximum for Island Student Awards is \$1,200.*

For more information, contact Student Financial Services, Department of Education, PO Box 2000, 16 Fitzroy Street, Third Floor Sullivan Building, Charlottetown, PE C1A 7N8

• **The J. Jarvis Stewart Memorial Award**

This award is presented on an annual basis to a UPEI student entering third or fourth year, who, in the judgement of the Admissions, Scholarship, and Degree Committee, is a well-rounded individual who has made a contribution to the community and/or student life. Candidates must be in good academic standing and indicate through a letter of application and two references how they fulfill the criteria. The deadline for this award is mid-February and application forms are available from the Registrar's Office in early January.

• **SDU Class of '62 Scholarship**

One scholarship will be available to a full-time UPEI student entering first, second, or third year who:

- is enrolled in the Faculty of Arts, Science, or Business;
- has an academic average of at least 80%; and
- is involved with public service with an interest in humanities.

• **The Senator F. Elsie Inman Memorial Scholarship**

Prior to her death in May 1986, Senator F. Elsie Inman established a fund at UPEI to provide financial support for PEI students intending to work in some area of the agricultural industry on the Island. Scholarships are awarded on the basis of academic achievement and need. To be eligible for the Senator F. Elsie Inman Memorial Scholarship, the student must:

- be a resident of Prince Edward Island;
- have completed at least one year at UPEI and be registered as a full-time student at the University in the year in which the scholarship is to be used;
- be registered in a program designed to enable him/her to work in an agriculture-related field (appropriate areas include Veterinary Medicine, Agricultural Marketing, and Soil and Water Conservation); and
- intend to pursue that career on PEI.

The successful applicant will have his/her account credited in two payments: one on 1 November and one on 15 January upon registration for the second semester.

• **The Tsang Choi Shin Hang Memorial Bursary**

This bursary is awarded to a full-time Education student who has successfully completed the first year of the two-year Education program. *Please note: application forms are also available from the Faculty of Education.*

E) ATHLETICS

• **The UPEI Athletic Awards**

These awards are offered annually to returning students who participate in the intercollegiate athletic program and who are

making satisfactory progress in any of the academic programs within the University. The names of the recipients and the amounts are recommended to the Athletic Awards Committee by the coach and the Director of Athletics. Deadline: 10 September.

• **The UPEI Booster Club Awards**

These awards are offered annually to returning students in any program of study at UPEI. The awards are offered to individuals making a significant contribution to one of the intercollegiate programs, provided the student is making satisfactory academic progress. The names of the recipients are recommended to the Athletic Awards Committee by the coach and the Director of Athletics.

• **The UPEI Room Bursaries**

These bursaries are offered to entering athletes who must have 80% in order to receive the bursary immediately; entering athletes without an 80% average, or continuing athletes, must have 65% on 24 credits between September and August. These athletes must not be on probation. Deadline: 10 September.

• **The Urban McInnis Award**

This award is donated by the Sisters of St. Martha in honour of Urban McInnis, friend of students and faculty of SDU and UPEI. The prize will be awarded annually to a deserving student who is not on scholarship and who is an Island player on the men's or women's basketball team. Deadline: 30 June.

• **The Harry and Marjorie MacLauchlan Scholarships**

Two scholarships will be available annually to full-time UPEI students who are members of the UPEI hockey team. Preference will be given to players from PEI. If entering first year, the recipient must have achieved an academic standing of 80% in high school, in accordance with CIAU regulations. The recipients will be selected by the Department of Athletics. Deadline: 30 August.

• **The Neil and Lila MacLeod Memorial Scholarship**

This scholarship is awarded to a second-year student not already receiving an award of \$1,000 or more; has an 80% average; and participates in varsity. Deadline: 30 August.

• **The J. T. "Mickey" Place Award**

Each year the UPEI Student Union grants a \$200 award in honour of Mickey Place, to one member of each intercollegiate team, based on financial need, academic record, athletic ability, and University involvement other than intercollegiate athletics. Deadline: 1 March.

* **The Gordon DeBlois Memorial Prize**

This prize is for a graduating student who best combines academic and athletic ability.

• **The Rt. Rev. George MacDonald Memorial Scholarship**

This scholarship is awarded annually for a combination of high academic achievement and athletic ability to an Island Catholic student in his/her second or third year at UPEI. Eligibility is not restricted to members of Varsity teams. The deadline for this award is 1 March, and application forms are available from the Registrar's Office and Student Services in early January.

• **The Mary Ellen MacDonald Scholarship**

This scholarship is administered by the St. Dunstan's University Board of Governors. It is to be awarded to a student entering fourth year at university who has, during his/her

previous years at university, given evidence of outstanding academic achievement and student leadership in the University community. The deadline for this award is 1 December, and application forms are available from the Registrar's Office and Student Services in early September.

- **The Grant Thornton LLP "Harry MacLauchlan" Scholarship**

This scholarship is awarded to an athletic student entering second, third, or fourth year who is playing on a UPEI intercollegiate hockey team and who has maintained good academic standing and completed a minimum of 18 semester-hours in the previous year. Deadline: 30 August.

3. POST-GRADUATE

(Graduates must apply for these awards, providing evidence of acceptance from the university where they will be studying, and a transcript of their undergraduate marks.)

The following scholarships are available to UPEI graduates who are proceeding to graduate or professional studies. Unless otherwise specified, application forms and details are available from the Registrar's Office in early May. All applications, along with a copy of the acceptance letter for the relevant graduate studies program, must be returned to the Registrar's Office by the end of July. Except where indicated, recipients are selected by the Admissions, Scholarship, and Degree Committee.

A) BIOLOGY OR CHEMISTRY

- **The Janet Lovering Graduate Scholarship in Science**

This scholarship is for a full-time student entering the first year of the Master of Science program in Biology or Chemistry at UPEI. The candidate will have an undergrad record of distinction.

B) BUSINESS ADMINISTRATION/POLITICAL STUDIES

- **The W. Chester S. McLure Memorial Fellowship**

One or more university fellowships are available for a graduating student or graduating students from UPEI to assist such graduating student or students to continue his or her studies in the field of Business Administration or Political Science, preferably at one of the following universities:

- York University, Toronto, Ontario;
- Harvard University, Cambridge, Mass.;
- Boston University, Boston, Mass.;
- Oxford University, England;
- Cambridge University, England;
- London School of Economics, London, England; or
- Dalhousie University, Halifax, NS.

C) DENTISTRY

- **The Dr. L. I. Duffy Memorial Award**

This award is for a student proceeding to professional studies in Dentistry.

D) FAMILY AND NUTRITIONAL SCIENCES

- **The Elizabeth Cousins Large Memorial Scholarship**

This scholarship is open to a UPEI graduate who has been accepted for graduate study in Home Economics or a related field, or to any student entering the Junior or Senior year in the Family and Nutritional Sciences Program at the University

of Prince Edward Island. Applicants must have superior academic standing combined with a demonstrated concern for others. *Please note: the deadline for this award is mid-December and application forms are available from the Chair of the Selection Committee, Department of Family and Nutritional Sciences, Dalton Hall, in early November.*

- **The Mrs. W. Chester S. McLure Awards for Dietetic Internship**

These awards are presented to two students who are enrolled in, or have been accepted into, any year of the Integrated Dietetic Internship program at the University of Prince Edward Island. The awards are based on the following:

- academic excellence;
- extracurricular leadership; and
- commitment to the profession of Dietetics.

Students are required to:

- complete an application form;
- provide official transcripts;
- write a one-page essay in which they demonstrate how well they meet the above criteria; and
- submit a resumé, cover letter, and two letters of reference.

Application forms are included in the program packages, available from the Department of Family and Nutritional Sciences. Forms are also available from the Registrar's Office in early February. The annual deadline for this award is early April.

E) LAW

- **The Joseph A. Ghiz Memorial Scholarship**

This scholarship, in memory of the Honourable Justice Joseph A. Ghiz, is awarded annually to a full-time UPEI graduating student with a high academic standing, who has been accepted for the study of Law in the following year. Candidates must be from PEI and have demonstrated an aptitude for commitment to the community.

- **The Mr. Justice Mark A. MacGuigan Memorial Award**

This award is to be made to a student proceeding to professional studies, preferably in Law.

F) MEDICINE

- **The Dr. Lorne Bonnell Bursary**

This bursary is awarded annually to a student proceeding to professional studies in Medicine. It is preferable that the candidate's birthplace be PEI and that s/he be a resident of King's County or Southeastern Queen's—Wood Islands, Belle River.

- **The Lorne and Ruby Bonnell Scholarship Fund**

This scholarship is awarded to a student graduating from the University of Prince Edward Island and who has been accepted at a Canadian university for advanced study in the physical sciences.

- **The Arlie-Parks Scholarship—In Memory of Dr. Kenneth MacIntyre**

This scholarship, in memory of Dr. Kenneth MacIntyre, is awarded to a graduating UPEI student who has been accepted for the study of Medicine at a university, medical school, or college and who, in the opinion of the President and Vice-President, Academic Development, of the University of Prince Edward Island, is qualified for that purpose.

G) MUSIC

- **The Lena Caroline McLure Scholarship**

This scholarship is awarded to a UPEI student, graduating from the School of Music, preferably whose major is Voice, and who intends to pursue post-degree study in Music Education or Performance.

H) NURSING

- **The Janet Lovering Scholarship of Graduate Study in Nursing**

This scholarship was first awarded in the Fall of 2001 and is available to a graduate of the UPEI School of Nursing who has been admitted to a graduate studies program in Nursing. The scholarship may be awarded for up to two years to the same person. *Please note: candidates must apply to the Dean of the UPEI School of Nursing by 1 June annually.* The application must include:

- evidence of acceptance into an accredited graduate Nursing program;
- a transcript of the candidate's undergraduate academic record; and
- a letter of application outlining professional and related experience and career goals.

- **The Michael Robison Memorial Scholarship for Nursing**

Each year, an award of \$1,000 will be given to a registered nurse, preferably a graduate of the UPEI School of Nursing, and preferably an individual who intends to work on the Island. The successful candidate will have a particular interest in the impact of heart disease on individuals and/or families, and his/her work will enhance community support for families of cardiac patients. Applicants must be enrolled in a baccalaureate or graduate nursing program and not already receiving an award of more than \$1,000.

I) GERONTOLOGY

- **The International Year of Older Persons Award**

This award is presented to a graduate of UPEI, Prince of Wales College, St. Dunstan's University, any Island School of Nursing, or a university graduate working in the field of Gerontology on Prince Edward Island. *Please note: for more details about the application process for this award, contact the UPEI School of Nursing.*

J) PSYCHOLOGY

- **The Julian Jaynes Memorial Graduate Award in Psychology**

This award is available to a UPEI graduate who has been accepted as a candidate for graduate studies in Psychology. Graduates must apply for this award, providing evidence of acceptance from the university where they will be studying, and a transcript of their undergraduate marks.

K) GENERAL

- **The I.O.D.E. War Memorial Doctoral Scholarships**

These scholarships, valued at \$15,000, are available to Canadian citizens who already hold a degree from a recognized Canadian university. At the time of applying, a candidate must be enrolled in a program at the doctoral level or equivalent. The appointment is subject to cancellation if the winner does not continue to show high academic and personal qualities.

Winners are expected to seek employment in Canada upon completion of their studies. Application forms may be obtained from Janice Ellis, Box 9101, Stanhope, PE CoA 1P0

**4. AVC AWARDS/SCHOLARSHIPS
BURSARIES****A) GENERAL**

- **The American Veterinary Medical Foundation Award**

This award is given to a second-year student in Veterinary Medicine demonstrating interest in small-animal medicine or nutrition.

- **The Atlantic Veterinary Medical Associations Award**

This award is given to a deserving third-year student in Veterinary Medicine from the Atlantic provinces, who brings credit to the profession through involvement in veterinary, collegiate, and community affairs.

- **The Ayerst Veterinary Laboratories Award**

This award is given to a second-year student in Veterinary Medicine demonstrating proficiency in bacteriology and mycology.

- **The Banfield Award in Small-Animal Surgery**

This award is given to a third-year student in Veterinary Medicine demonstrating excellence in small-animal surgery.

- **The Banfield Human-Pet Bond Award**

This award is given to a third-year student in Veterinary Medicine who has given herself or himself to illustrate and promote the importance of the human-pet bond.

- **The Baron Pound Award**

This award is given to a deserving fourth-year student who has demonstrated extraordinary compassion, outstanding communications skills, and deep respect for the human-companion animal bond while caring for a critically ill animal.

- **The Dr. John D. Barrie Memorial Scholarship**

This award is given to a deserving student in second- or third-year Veterinary Medicine with an interest in wildlife medicine or aquaculture.

- **The Bayer Award**

This award is given to a third-year student in Veterinary Medicine demonstrating interest and proficiency in the health management of food-production animals.

- **The Bimeda-MTC Animal Health Dermatology Award**

This award is given to a third-year student in Veterinary Medicine demonstrating interest and proficiency in dermatology.

- **The Dr. Darya Campbell Memorial Award**

This award is given to the Newfoundland or Labrador student in Veterinary Medicine having the highest cumulative academic standing during the first three years of the curriculum.

- **The Canadian Association of Veterinary Pathologists Award**

This award is given to a second-year student in Veterinary Medicine demonstrating proficiency in pathology.

The Canadian Kennel Club Award

This award is given to a third-, second-, or first-year student in Veterinary Medicine with an interest in canine medicine and surgery.

- **The Canadian Veterinary Medical Association Award**

This award is given to a third-year student in Veterinary Medicine, selected by his or her classmates, for excellence in leadership, participation in student affairs, and academic achievement.

- **The Christofor Award in Animal Welfare**

This award is given to a third-year student in Veterinary Medicine demonstrating sustained interest and commitment to improving the well-being of animals.

- **The Class of 2000 Veterinary Teaching Animals Award**

This award is given to a first-year student in Veterinary Medicine selected by classmates and staff for exceptional care and compassion for the teaching animals housed at the Atlantic Veterinary College.

- **The David E. Coburn Memorial Scholarship**

This renewable award is given to a deserving student in Veterinary Medicine.

- **The Julie A. Crawford Memorial Scholarship**

This award is given to a first-year student in Veterinary Medicine demonstrating excellence in clinical skills and case-based problem-solving.

- **The Roy and Margaret Crosby Memorial Award**

This award is given to a deserving student in the third or second year at the Atlantic Veterinary College who attended a Prince Edward Island high school and who demonstrates interest in equine or canine veterinary medicine.

- **The Dr. Douglas W. Ehresmann Memorial Award in Virology**

This award is given to a second-year student in Veterinary Medicine demonstrating proficiency in virology.

- **The Blanco Animal Health Award in Swine Medicine**

This award is given to a third-year student in Veterinary Medicine demonstrating proficiency and interest in swine health management.

- **The Rolf C. Hagen Award**

This award is given to the second-year student in Veterinary Medicine with the highest average in VPM 262, Aquaculture and Fish Health.

- **The G. Murray and Hazel Hagerman (Gift of Verna Blanche Hagerman) Scholarships**

These scholarships are given to one or more students in Veterinary Medicine for academic achievement.

- **The Dr. Lawrence E. Heider Leadership Award**

This award is given to an academically proficient second-year student in Veterinary Medicine selected by his or her classmates for leadership.

- **The Hill's Pet Nutrition Canada Class Spirit Award**

This award is given to a first-year student in Veterinary Medicine chosen by his or her classmates for enthusiasm, participation, and overall contribution to student life.

- **The Hill's Pet Nutrition Canada in Small Animal Internal Medicine Award (Second Year)**

This award is given to a second-year student in Veterinary Medicine demonstrating academic achievement in small-animal principles of medicine.

- **The Hill's Pet Nutrition Canada Award in Small Animal Internal Medicine (Third Year)**

This award is given to a third-year student in Veterinary Medicine demonstrating academic achievement in the internal medicine component of companion animal system courses.

- **The International Student Award (Second Year)**

This award is given to an academically proficient international student in the second year of Veterinary Medicine.

- **The International Student Award (Third Year)**

This award is given to an academically proficient international student in the third year of Veterinary Medicine.

- **The Dr. A. M. Lloyd Memorial Scholarship**

This award is given to a first-year student in Veterinary Medicine demonstrating academic achievement.

- **The Merial Award in Parasitology**

This award is given to a first-year student in Veterinary Medicine demonstrating proficiency in parasitology.

- **The Jeanne Mingo-Doiron Memorial Scholarship**

This award is given to students in Veterinary Medicine who have graduated from a Pictou County, Nova Scotia, high school; who have graduated from the Nova Scotia Agricultural College in the Animal Science or Pre-Veterinary program; and who have been accepted into the Atlantic Veterinary College.

- **The North American Veterinary Conference Award**

This award goes to a deserving third-year student in Veterinary Medicine to assist in funding travel costs to the North American Veterinary Conference.

- **The Novartis Award in Parasitology**

This award is given to a first-year student in Veterinary Medicine demonstrating excellence in the study of parasitology.

- **The Dr. Albert F. Olmstead Memorial Award**

This award is given to a second-year student in Veterinary Medicine who graduated from an Atlantic Canadian high school and who demonstrates interest and commitment to bovine veterinary medicine.

- **The Pfizer Award in Pharmacology**

This award is given to a second-year student in Veterinary Medicine demonstrating proficiency in pharmacology.

- **The Prince Edward Island Milk Marketing Board Award**

This award is given to a student in Veterinary Medicine, usually entering second year, who is pursuing large-animal studies and who is an immediate family member of a Prince Edward Island dairy producer.

- **The Prince Edward Island Veterinary Medical Association Award**

This award is given to an academically proficient second-year Atlantic Canadian student in Veterinary Medicine demonstrating involvement in veterinary, student, or community affairs.

- **The Purity Dairy Scholarship**

This award is given to a third-year student in Veterinary Medicine with an interest in large-animal (dairy) medicine and surgery.

- **The Vaunda Ross Memorial Scholarship**

This award is given to a Canadian student in Veterinary Medicine who is a varsity athlete demonstrating academic proficiency.

- **The Mrs. Davinder Kaur Singh Award**

This award is given to a deserving first-year student in Veterinary Medicine.

- **The Stephen W. Taylor Class of '99 Memorial Award**

This award is given to a third-year student in Veterinary Medicine with enthusiasm for and interest in equine practice.

- **The Van Toever Award in Aquaculture**

This award is given to an Atlantic Canadian student entering the fourth year of Veterinary Medicine with an interest in aquaculture and who demonstrates qualities of leadership, scholarship, and participation in student and community affairs.

- **The Veterinary Macroscopic Anatomy Scholarship**

This award is given to the first-year student in Veterinary Medicine having the highest composite average in VAP 101, Macroscopic Anatomy I and VAP 102, Macroscopic Anatomy II.

- **The Veterinary Microscopic Anatomy Scholarship**

This award is given to the first-year student in Veterinary Medicine having the highest composite average in VAP 111, Microscopic Anatomy I and VAP 112, Microscopic Anatomy II.

- **The Eric T. Wilson Memorial Award**

This award is given to a third-, second-, or first-year Prince Edward Island veterinary student demonstrating an interest in small-animal veterinary medicine.

B) GRADUATION AWARDS

- **The American Animal Hospital Association Award**

This award is given to a graduating student in Veterinary Medicine demonstrating clinical proficiency in small-animal medicine and surgery.

- **The American Association of Feline Practitioners Award**

This award is given to a graduating student in Veterinary Medicine demonstrating outstanding proficiency in feline medicine and surgery.

- **The American College of Veterinary Ophthalmologists Award**

This award is given to a graduating student in Veterinary Medicine demonstrating interest and proficiency in ophthalmology.

- **The American College of Veterinary Radiology Award**

This award is given to a graduating student in Veterinary Medicine showing outstanding enthusiasm and understanding for diagnostic and therapeutic radiology.

- **The American College of Veterinary Surgeons Award**

Two awards, for small- and large-animal surgery, are given to graduating students in Veterinary Medicine demonstrating academic clinical proficiency in small- and large-animal surgery.

- **The Aphin Award**

This award is given to the graduating student in Veterinary Medicine who demonstrates the best ability to analyze and interpret animal health and production records.

- **The Ayerst Award**

This award is given to a graduating student in Veterinary Medicine demonstrating proficiency in large-animal Medicine and theriogenology.

- **The Bimeda-MTC Animal Health Award**

This award is given to a graduating student in Veterinary Medicine demonstrating clinical proficiency in veterinary medicine and surgery.

- **The Callie's Compassionate Care Award**

This award is given to a graduating student in Veterinary Medicine who has, in the view of both faculty and staff, demonstrated outstanding clinical competence and extraordinary compassion in providing continuing care for a gravely ill patient.

- **The Canadian Veterinary Medical Association Plaque Award**

This award is given to a graduating student in Veterinary Medicine selected by his/her classmates and faculty on the basis of scholarship, leadership, and sportsmanship.

- **The Class of 1993 Clinical Conference Award**

This award was established by the AVC Class of 1993 and is given to the graduating student in Veterinary Medicine, selected by his or her classmates, for the best clinical conference presentation.

- **The Clinical Radiology Award**

This award is given to a graduating student in Veterinary Medicine who demonstrates proficiency in radiographic interpretation and technical skills.

- **The Dr. R. A. Curtis Bovine Award**

This award is given to the graduating student in Veterinary Medicine judged first in the class in academic excellence, clinical competency, and general interest in bovine medicine.

- **The Dr. Brian L. Hill Memorial Award**

This award is given to a graduating student in Veterinary Medicine demonstrating excellence in small-animal medicine and surgery, as well as outstanding interpersonal skills with clients and colleagues.

- **The Hill's Pet Nutrition Canada Buddy Award**

This award is given to a graduating student in Veterinary Medicine demonstrating exemplary humanitarian efforts in providing care to a feline or canine patient.

- **The Holstein Canada Award**

This award is given to a graduating student in Veterinary Medicine demonstrating excellence in dairy production medicine during senior clinical rotations.

- **The IAMS/Veterinary Emergency and Critical Care Society Award**

This award is given to a graduating student in Veterinary Medicine demonstrating interest and proficiency in small-animal veterinary emergency and critical care.

- **The Janssen Animal Health Award**

This award is given to a graduating student in Veterinary Medicine with high standing in the theory and practice of small-animal surgery.

- **The Novartis Award**

This award is given to a graduating student in Veterinary Medicine demonstrating proficiency and interest in parasitology.

- **The Pathology Achievement Award**

This award is given to a graduating student in Veterinary Medicine demonstrating proficiency and aptitude in pathology.

- **The Pfizer Award in Aquaculture**

This award is given to a graduating student in Veterinary Medicine demonstrating aptitude and enthusiasm in aquaculture.

- **The Pharmacia Animal Health Partnership Awards**

These awards may be given to Canadian students who are graduating in Veterinary Medicine and who demonstrate interest, proficiency, and potential to bring credit to the practice of bovine, swine, or equine medicine.

- **The Schering-Plough Award in Bovine Theriogenology**

This award is given to a graduating student in Veterinary Medicine demonstrating excellence in bovine theriogenology during senior clinical rotations.

- **The Schering-Plough Small-Animal Medicine Award**

This award is given to a graduating student in Veterinary Medicine demonstrating excellence in small-animal internal medicine.

- **The Spirit of '90 Award**

This award is given to the graduating student in Veterinary Medicine, chosen by his or her classmates, as the individual who best exemplifies the qualities of leadership, class spirit, co-operation, and participation.

- **The R. G. Thomson Academic Achievement Medal**

This award is given to the graduating student in Veterinary Medicine with the highest cumulative average grade for the four-year program.

- **The Veterinary Software Publishing Incorporated Award**

This award is given to a graduating student in Veterinary Medicine demonstrating excellence in the art of client communications.

- **The Veterinary Teaching Hospital Staff Award**

This award is given to a graduating student in Veterinary Medicine demonstrating exemplary interpersonal, communication, and technical skills during his/her final year of study.

- **The Vetoquinol Equine Award**

This award is given to a graduating student in Veterinary Medicine demonstrating proficiency in equine veterinary medicine.

C) GRADUATE STUDENT SCHOLARSHIPS AND AWARDS

- **The Dr. Douglas W. Ehresmann Graduate Award**

This award is given to a graduate student in Veterinary Medicine performing outstanding research in virology.

- **The G. Murray and Hazel Hagerman (Gift of Verna Blanche Hagerman) Scholarships**

This scholarship is awarded to one or more graduate students in Veterinary Medicine for academic achievement.

- **The Dr. Errol E. Hancock Scholarship**

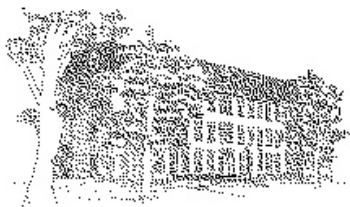
This scholarship is given to a graduate student in Veterinary Medicine from Nova Scotia who has the highest academic standing. If there is no eligible graduate student for two years, this scholarship may be given to a fourth-year student in the DVM curriculum under the same terms.

- **The Dr. Ray Long Award**

This award is given annually to one or more graduate students to provide travel costs associated with attendance at a scientific meeting to present research results. Selection is based on financial need and quality of presentation of research results delivered during the annual AVC Graduate Studies and Research Days.

- **The Pfizer Graduate Research Award**

This award is given to a deserving graduate student working in a field that will contribute to the advancement of Veterinary Medicine.



8. Undergraduate and Professional Programs

TERMINOLOGY AND DEFINITIONS

Academic standing: based on the level of academic achievement attained, after each semester of study students are assessed and their transcripts are notated with one of the three categories of standing (in good academic standing, on academic probation, or academically dismissed).

Academic regulations: general academic regulations apply to all university students, unless otherwise specified; degree regulations are academic regulations and degree requirements that apply to a particular program *in addition to* the general academic regulations.

Advanced standing: when a degree requirement has been met but credit transfer to UPEI is not possible (i.e., the course is not deemed equivalent, though the subject matter is comparable enough to waive a degree requirement), “Advanced Standing” might be granted. Advanced Standing eliminates the need for the student to take the course in question, but does not reduce the number of courses required to graduate (another course must be substituted for it instead).

Appeal: a process whereby a student registers a complaint with regards to a decision made by a University employee on any academic matter, and formally seeks the opinion of an objective third party. See the Academic Regulations section of the Calendar for details.

Audit: to audit a course is to enrol in a regular for-credit course, but only as a “listener.” Assignments are not submitted or evaluated, and the transcript notation is AUD for “audit.”

Co-requisites: courses that must be or may be taken simultaneously.

Co-operative education: a degree program available in some disciplines whereby students complete a specified number of paid work terms in addition to the course requirements for their degree.

Core courses: specific courses that are required as part of a degree program.

Course: almost all courses are one semester in length. Instead of taking five full-year courses, students take ten courses over the period September to April, five in the first semester and five in the second semester. In cases where a combination of six semester-hour courses and three semester-hour courses are followed (see definition of Semester-hour), normally a total of 120 semester-hours of credit must be obtained before a student becomes eligible for a degree.

Course load: the number of courses (translated into semester-hours of study) undertaken in any given term. For example, a student taking three courses weighted at three semester-hours

each is enrolled in a nine-semester-hour course load.

Course selection: choosing what courses you wish to take, and selecting them either online or by filling out a paper registration form in the Registrar’s Office or in the Advisement Centre.

Degree: undergraduate degrees are referred to as Bachelor’s, which are credentials earned by those who successfully complete 120 semester-hours of credit and who satisfy all regulations and requirements for a specific program.

Requirements for second-entry professional programs such as the BEd and the DVM are distinct from those for Bachelor of Arts (BA) and Bachelor of Science (BSc) programs. Graduate degrees include Master’s (Master of Arts, Master of Science, and Master of Veterinary Medicine) and Doctorates (PhD, or Doctors of Philosophy).

De-registered: the University de-registers students from courses they have selected and in which they are enrolled when fees are not paid in full by the published payment deadline.

Degree Audit: as a “progress check,” the degree audit is an activity whereby a student’s academic record is reviewed in comparison to the degree requirements of the selected major. At UPEI, the process is automated: a software program gathers course-completion data from a student’s record and presents him/her with the list of degree requirements for a major and minor. Required courses that are “unfilled” are noted as such, indicating what components of the program are yet to be completed. An up-to-date degree audit report is available as an item on the list of options for students who log on to the UPEI website using their ID# and PIN. Students should compare their audit to the Calendar requirements of their program to make decisions about degree completion options.

Degree requirement: specific courses that must be taken, and regulations about grades in any course or courses for a program that must be met, in order to be eligible to graduate.

Diploma: a credential earned after successful completion of all regulations and requirements for a specified program of less than 120 semester-hours, or of non-credit components of study; also, the parchment that announces a credential has been earned (in a degree, diploma, certificate, or other program).

Discontinuations: sometimes called “drops” or “withdrawals,” discontinuations are forms submitted to the Registrar’s Office by students who wish to terminate their enrolment in a particular course. They are permitted with full refund up to the last date of registration, after which they are permitted with partial refunds as per published dates in the Calendar. No discontinuations are permitted after the final date noted; students no longer attending class after this date *will have an F recorded on their transcripts*. Students facing exceptional

circumstances may apply for an Appeal of this regulation in the Office of the Registrar. Abbreviation: DISC.

Dismissal: academic dismissal is one of the three categories of Academic Standing. See Academic Regulations section of the Calendar.

Electives: not core courses, but other courses chosen by students in accordance with specific program requirement regulations. Some electives are to be taken within the program's subject area, often from a list of options, while others are considered "free" electives to be taken from departments outside the program area.

Enrolled: actively engaged in a course or program for which one has registered. See Registered and Course Selection.

Enrolment status: refers to current course load a student is carrying.

Honours: Honours degrees are offered in Biology, Business Administration, Chemistry, English, Foods and Nutrition, History, Mathematics, Physics, Psychology, and Sociology/Anthropology. These are degrees with higher average and course requirements for entrance, continuation, and graduation. Consult the appropriate departmental offerings for details.

Major: the Arts and Science degrees are degrees with a major. The major is the subject in which the student chooses to take a concentration of courses. Minimum prerequisite for entry to a major program is 12 semester-hours of credit in courses in the department. To qualify for an Arts or Science degree, a student must take a minimum of 42 semester-hours of credit in the major subject. This figure is higher in some departments. A department may also require up to 42 semester-hours of credit in other subjects, if these co-requisites are part of the major approved by Senate. Students should consult with the Chair of the Department in which they intend to major regarding their selection of courses.

Minor: a minor is an approved selection of courses (typically involving at least 21 semester-hours) taken in an area other than that of the student's major. Individual departments should be consulted to determine whether a minor is available.

Not-for-credit or non-credit courses: these have no semester-hour weighting, and are not counted in a degree audit, but may be required as a condition of admission or for continuation in a program of study; other non-credit offerings are provided through the Centre for Life-Long Learning as short courses, workshops, and seminars.

Prerequisites: courses that must have been successfully taken prior to registration in another course.

Pre- or early-registration: during the spring/summer semesters, online registration is available for the next fall/winter semesters. Spring and summer pre-registration normally takes place online from mid-March.

Probation: academic probation is one of the three categories of Academic Standing. See the Academic Regulations section of the Calendar.

Program year (as in, "What year are you?"): not the measure of years spent studying at UPEI, but a reference to the category

of enrolment that is defined by a specific number of semester-hours having been earned toward a degree.

Registered: to be fully registered, students must have selected their courses (online or on paper) **and** have paid their fees in full. See Course Selection.

Semester: the duration of a study period in an academic year.

Semester-hour: a semester-hour is defined as nominally one hour of classroom time per week per semester. Thus a class that is held for three hours a week for one semester is a three-semester-hour course. However, although most of the courses taken at university are of three semester-hours, some may involve more contact time, as in the case of laboratory courses, and some less time, as may be the case in some seminar courses. Such courses carry the three-semester-hour weight, but regardless of actual class time, should be considered as comprising one-fifth of the student's course load.

Term: sometimes used interchangeably with "semester," a portion of the academic year that is named according to season: Fall, Winter, Spring, Summer. Abbreviations are F, W, S1, S2.

Transcripts: your transcript is the official, permanent record of your academic history at the University. In that regard it is distinct from a grade report issued at the end of a Semester or Summer Session. For more information on ordering a transcript, please see www.upei.ca/registrar/transcripts.pdf.

Transfer credits: transfer credits are credits granted to students on admission for work done at another institution. These credits reduce the total number of credits that must be taken at the University of Prince Edward Island for a degree.

Waived: if academic requirements are waived, then an adjustment to the student's course of study is not required. For example, a requirement that students earn 60% or higher in a particular course might be "waived" on appeal, in which case the course does not need to be repeated.

APPLICATION & ADMISSION REQUIREMENTS

I. BACHELOR OF ARTS (BA), BACHELOR OF SCIENCE (BSc), AND BACHELOR OF BUSINESS ADMINISTRATION (BBA)

a) How to Apply

All enquiries relating to admission to the University should be directed to:

The Registrar
University of Prince Edward Island
Charlottetown, PE
C1A 4P3 or to registrar@upei.ca

- Both university (www.upei.ca/registrar/app.pdf) and residence (www.upei.ca/housing/html/application.html) application forms may be obtained through the Registrar's Office.
- Applicants are reminded that acceptance to residence is no guarantee of acceptance to the University, nor is acceptance to the University a guarantee of acceptance to residence.

- All applicants must have official transcripts sent directly to the Registrar's Office by any high school, college, or university attended. Scholarship candidates must have all materials in by the end of February.

Note: The applicant is responsible for the completeness and accuracy of the application. Applicants who conceal any previous academic records are liable to dismissal from the University.

Application Deadlines

Documentation for all applicants (except for Veterinary Medicine, Education, Nursing, and Radiography—see appropriate section) should be complete by **1 August**, if applying for the first semester, or by **15 November**, if applying for the second.

Application Fee

An application fee of \$35 must accompany each **first-time** application for admission to the BA, BSc, and BBA programs. Applications to Professional and Graduate programs **must** include the \$35 fee for the first and any subsequent applications.

b) English-Language Proficiency Requirements

The language of instruction at UPEI is English. All academically admissible applicants, regardless of their country of origin or citizenship status, are required to demonstrate competence in the English language prior to undertaking full-time credit studies at UPEI. Competence may be demonstrated by any one of the following:

- Four years of full-time study in English in Canada or in another country where English is the principal language; evidence of bilingualism (English and another language) is acceptable for those applicants educated in Canada in a language other than English.
- Submission of an official test score at or above the acceptable minimum, such as:
 - TOEFL (Test of English Language as a Foreign Language), min. 550 (213 on computerized test);
 - MELAB (Michigan English Language Battery), min. 80;
 - IELTS (International English Language Testing System), min. 6.5;
 - CanTEST, min 4.5;
 - CAEL (Canadian Academic English Language Assessment), min. 6.0 with min. 5.0 in each band.

Applicants without English proficiency test scores, or with scores below the minimum, may be admitted conditionally, and will be assessed by the EAP Coordinator upon arrival. Depending upon the assessment result, students may be placed in either full-time or part-time EAP. Part-time EAP is taken in combination with up to three credit courses. Upon successful completion of EAP, with a final test score of 4.5 or higher, these students will be eligible to begin full-time academic studies.

c) Admission Requirements

(i) Canadian Education System

High School Graduates

Successful completion of Grade 12 examinations (OACs, or Grade 12 completed in 2003 or later in Ontario) in a University Preparatory Program with an overall average of at least 65%

(75% for Quebec Secondary V students) in the following subjects:

1. Arts

English, one Social Studies or Language, and any three other academic courses. Grade 12 math recommended. **Note:** Grade 12 Math is a prerequisite for some first-year Arts courses.

2. Business

English, Mathematics, any two Social Studies, Languages or Sciences, and one other academic course.

3. Science

English, Mathematics, two Sciences, and one other academic course. If Grade 12 Chemistry is not selected to meet the Science requirement, Grade 11 Chemistry is required.

NOTES

- Social Studies electives include the following: Economics, Global Issues, Canadian and PEI History, and Advanced Political Studies.
- Science electives include the following: Animal Science, Biology, Chemistry, Oceanography, Physics.
- Exceptional students from Grade XI may be considered for admission.
- Applications will be considered from students who have completed programs of study in CEGEP, Community Colleges, or CAAT. Transfer credits, if any, will be considered on an individual basis.

Admission from Grade 11 (Grade 12 in Ontario)

This is for the exceptional student with at least 85% in Grades 10 and 11 (Grades 11 and 12 in Ontario), who is highly recommended by the school (at least two letters), and who has written parental permission. Students with special aptitudes who may not have 85% will also be considered.

Advanced Placement Program

Acceptable Advanced Placement Program courses with grades of 3(C) or higher may be presented for admission purposes. Acceptable courses with grades of 4(B) or 5(A) may be recommended for advanced standing. Students wanting University credit in respect to Advanced Placement courses are advised they may challenge for credit under the provisions of Academic Regulation 15 (www.upei.ca/registrar/general_regs.pdf).

Applicants from Quebec College of General and Professional Education (CEGEP)

The Diploma of Collegial Studies (DEC/DCS), with the “DEC en sciences, lettres et arts,” will qualify a student for admission to UPEI. Holders of the DEC will be considered as transfer students to second year with a maximum of 10 transfer credits, provided that they attained an average grade of 70% or better in their final year of CEGEP study. Students with less than the DEC, and a 70% average, will be considered for admission to first year with the possibility of some transfer credits from second-year CEGEP courses. Students who have completed a technical or professional DEC will be considered on an individual basis.

Centennial Scholars

To mark PEI's Centennial Year, the University waived undergraduate tuition fees and admission requirements for Island residents who have reached their 60th birthday before the beginning of the semester in which registration is sought.

College Transfer Students

Beginning in the 1997–98 academic year, students may receive credit for courses successfully completed at a member institution of the Association of Canadian Community Colleges and for which credit is given at that institution, under the following conditions:

1. courses must be acceptable in the program to which transfer is being sought either as required courses or as electives;
2. grades must be at least 60% or, where the grading system is different than that of UPEI, at least at an equivalent level above the minimum passing grade; and
3. transfer will be allowed by the Registrar only on the recommendation of the appropriate Dean.

Concurrent Enrolment Policy with PEI Grade 12

Students who are enrolled in their last year of studies in a PEI secondary school may be admitted to the University of Prince Edward Island to pursue Concurrent Studies. The following conditions will apply at the University:

- the applicant must have a superior academic record;
- the applicant must be enrolled in a PEI secondary school in a program that meets regular UPEI entry requirements;
- the applicant must have the written recommendation of the secondary school principal;
- the applicant must have the written consent of the parent or legal guardian if under the legal age of majority on the opening day of classes; and
- the applicant must have the support of the Dean of the Faculty for the courses in which the applicant plans to enroll.

Admission will be initially for one three-semester-hour course but may be renewed with the continued support of the school principal and the Dean. Normally, no more than six semester-hours of credit may be obtained by Concurrent Studies, but students who continue to have superior academic records and the support of the school principal may seek permission from the Dean to enroll in a further course for a maximum of nine semester-hours of credit.

Students in Concurrent Studies will be treated as regular students in most respects, except that they may not register in a full range of courses. Standard transcripts will be issued and fees and deadlines will be as for regular students.

Students who have enrolled in Concurrent Studies at other recognized post-secondary institutions prior to secondary school graduation may also be eligible for transfer credit.

Home-schooled Students

The basic entrance requirements for home-schooled students are the same as for all other students. Home-schooled students can meet the requirements by:

1. attending a local high school for Grade 12 or the final year of schooling;
2. taking the Grade 12 academic entrance subjects through a correspondence program acceptable to the University; or
3. presenting Advanced Placement test scores on an official transcript for the entrance subjects.

Mature Students

Individuals who are or will be 22 years of age or older on the first day of a pending semester and who have been out of school for at least three years may apply as a “Mature Student.” This application category is available to Canadian citizens and permanent residents only. Such applicants must include with their application a resumé and a statement of academic goals, as well as transcripts of any and all institutions attended (including high-school transcripts, if available). Reference letters may be requested by the Admissions Committee, in cases where the Registrar seeks its guidance.

Required and/or recommended conditions may be placed on an offer of admission to mature applicants. Some programs require that specific high-school prerequisites be fulfilled before an admission offer is finalized.

University Transfer Students

1. Students who are eligible for readmission and registration at their previous institutions will be considered for admission to UPEI on an individual basis. Normally, such students should have achieved an average grade of at least 60% in their previous year of studies or not have been registered at any university for at least a year. (See Academic Regulation 14: Transfer Credits www.upei.ca/registrar/general_regs.pdf)
2. Where admission to a specific academic program is sought, the applicant must meet the requirements of that program.
3. Prospective transfer students must have all documentation submitted by 15 August for admission in September.

NOTES

- a. Professional Faculties and Schools have additional criteria that must be met before applicants from outside the University will be considered.
- b. Transfer students are subject to all other academic regulations of the University. Possession of the minimum requirements for transfer to UPEI does not in itself ensure that admission will be granted.

(ii) United States Education System

The general average in the required subjects should be at least as high as the College Recommending Mark of the school concerned. Class standing is an important consideration.

NOTE: Deadline dates for US citizens are **1 July, for consideration for September, and 1 November, for consideration for January**. All application materials must be received by these dates.

(iii) International (other than USA) Education Systems

International Baccalaureate

The International Baccalaureate (IB) Diploma will qualify an IB student for admission to UPEI. Higher-level subjects completed with grades of 4 or higher within the International Baccalaureate Diploma program will be considered for transfer of credit.

Applicants with Ordinary or Advanced Level Examinations

Admission to first year may be on the basis of five appropriate General Certificate of Secondary Education (GCSE) subjects

at the Ordinary Level, including English Language and Mathematics. Advanced Level examination results received directly from the appropriate Examination Board, which are appropriate to the intended program of studies, will be assessed for advanced standing and credit. A maximum of three Advanced Level examination results may be presented for a maximum of six transfer credits. Credit normally will be granted only for grades of “C” or higher.

d) Readmission

(i) To UPEI

Students who have been absent from study for a period of more than 12 months are required to seek readmission. A letter of activities, resumé, and/or transcripts for the time away are required for the application to be considered. Students readmitted to the original or another program of study normally will follow the regulations in force at the time of original admission to UPEI. (See Regulation #2, www.upei.ca/registrar/general_regs.pdf, on age of credits and validity for inclusion in degrees.) In addition, the Admissions Committee may attach specific and binding conditions to a student’s performance to ensure that the normal standards of the degree requirements are met.

Students who have been required to withdraw from UPEI or any other university or college may be considered for readmission or admission after they have spent at least 12 months away from university and can provide satisfactory letters of recommendation from employers and/or others. A student readmitted after being required to withdraw from UPEI or any other university will automatically be on academic probation.

(ii) Students Dismissed from Other Institutions

Students who have been academically dismissed from any other university or college will not be admitted to UPEI during the year following their dismissal or, if already admitted, will have their admissions cancelled. Students may reapply for admission after one year away from formal academic study.

2. PROFESSIONAL DEGREE PROGRAMS

a) Doctor of Veterinary Medicine (DVM)

(i) Introduction

The Atlantic Veterinary College accepted its first class in the fall of 1986. Approximately 60 students are selected each year for entrance into the four-year Doctor of Veterinary Medicine program. The admission process for veterinary studies is designed to select applicants considered most likely to succeed in the veterinary curriculum, subject only to Federal-Provincial agreements for regional quotas. Students must have potential to become competent, responsible veterinarians, dedicated to a lifetime of productive public service and continued learning.

Each year, the College accepts 60 students to its DVM program. Approximately 36 of the seats are reserved for residents of Atlantic Canada and the remaining 24 seats are for international students.

For information on important deadlines, fee schedules, please refer to the Atlantic Veterinary College Supplementary Insert for 2004–2005 at: www.upei.ca/registrar/avcsupp_insert.pdf

(ii) Admission Requirements

Applicants are required to complete prerequisite courses as well as two veterinary experiences of at least 40 hours each in length. Applicants will be able to fulfill the academic requirements at a university of their choice. Applicants are advised to register in programs that will provide a career alternative, should they not be admitted to the DVM program.

Required Courses (55%)

A total of 20 one-semester courses or equivalent are required. Normally, these courses must be completed while the applicant is enrolled as a full-time student carrying at least 15 semester-hours credit. Science courses will normally have a laboratory component and be completed within six years of the date of application. Exceptional circumstances will be given consideration; however, it is necessary for all applicants to demonstrate the ability to master difficult subject matter in the context of meaningful full-time activity.

A total of 55 points of the evaluation will be based upon grades attained in the 20 required courses (15 specified and 5 electives with the highest grades). These 55 points will be calculated as follows:

- a. 30% or 16.5 points from the average of the four biological science prerequisite courses, including Genetics, Microbiology, and two animal Biology electives;
- b. 70% or 38.5 points from grades in the remaining 16 required courses.

Veterinary-Related Experience (5%)

In addition to completing the required course work, two veterinary-related experiences of at least one week (40 hours) each are required. These constitute 5% of the application score. One of these veterinary experiences must involve clinical practice in the field. The supervisor and evaluator of each experience must be a veterinarian. If an applicant selects two clinical veterinary experiences, these two experiences cannot be in the same type of practice, nor can they take place under the supervision of the same veterinarian. Examples of non-clinical veterinary experiences include, but are not limited to, working as an employee or a volunteer under the direct supervision of a veterinarian in government, industry, or in a research environment at an academic institution. Veterinary experience evaluation forms must be completed by each veterinarian with whom the applicant has been associated. The University does not maintain a list of veterinary clinics for locating experience opportunities. Veterinary experience completed as a requirement of an academic program is not normally acceptable. The supervising veterinarians must send evaluation forms directly to the Office of the Registrar. Each of the experiences is required to have been completed and evaluated no more than three years prior to application date.

Assessment of Applications

The first step involves ascertaining completeness of the application, i.e., fulfillment of minimal requirements for admission, then ranking of applicants according to the grades received in the prerequisite courses. Based upon the rank list, approximately twice as many applicants are invited for interview than are offered a seat. For applicants who have applied for one of the seats offered to Atlantic Canadians and who are enrolled in courses, a re-evaluation of the academic average is completed when the final transcript is received.

The second step involves only those applicants invited for an interview. **The remaining 40% (interview 30%, essay 10%)**

of the evaluation will be based on the applicant's performance in an interview (see "a" & "b" below) and a written essay (see "c" below) on the day of the interview.

- a. employment experience and responsibility, including the time spent with veterinarians, ability to communicate with others, knowledge and experience suggesting leadership, extracurricular activities;
- b. Knowledge of Animals and the Veterinary Medical Profession: Experience with, and knowledge of, animals and/or animal systems, including food- and fibre-producing animals, horses, companion animals, wildlife, aquatic species, birds or exotic species, and the roles of the veterinary profession in society;
- c. Written Essay: Interviewed candidates will write a brief essay, which will be evaluated for style (grammar, spelling, and syntax) and content. This will be worth 10% of the overall application score.

(iii) Application Procedure

Application Forms

You can download the forms in .pdf format. This will require the Adobe Acrobat Reader (www.adobe.com/products/acrobat/readstep2.html). The application form can then be taken or mailed to the UPEI Registrar's Office.

Atlantic Canadian Applicant

A resident of the Atlantic provinces is a Canadian citizen or permanent resident:

- a. whose last attendance at high school was in a school in the Atlantic provinces; or
- b. whose last province of residence for 12 consecutive months during which time the student was not attending a university or college full-time was one of the Atlantic provinces; or
- c. for whom the permanent home address of parent, foster parent, or guardian is one of the Atlantic provinces.

Application deadline is 1 December (must be postmarked by this date) and your complete application package should include the following, and be sent directly to the Registrar's Office:

- Application Information
www.upei.ca/registrar/dvm_instruct_atlantic.pdf
- \$35 Application Fee
- Supplementary Application Form
www.upei.ca/registrar/dvm_supp.pdf
- Veterinary Evaluation Form
www.upei.ca/registrar/vetevalform.pdf

US Applicants Deadline: 1 October

Applicants who are United States citizens or residents must apply through the Veterinary Medical College Application Service (VMCAS). Students can request information by visiting www.vmcas@aavmc.org/ or telephoning 1-877-862-2740. These applicants are also required to complete and provide results from the Graduate Record Examination (GRE).

- Application Information
www.upei.ca/registrar/dvm_instruct_usa.pdf
- \$50US Supplementary Application Fee
- Supplementary Information Form
www.upei.ca/registrar/dvm_VMCAS_supp.pdf
- Veterinary Evaluation Form
www.upei.ca/registrar/vetevalform5.pdf

Non-US Applicants Deadline: 1 December

Non-US international applicants may apply directly to UPEI. Application forms and information regarding admissions procedures are available each year after 1 September from the Registrar's Office. International students are also required to complete and provide results from the Graduate Record Examination (GRE). English-language proficiency requirements: TOEFL 550 (213 minimum on computerized test); IELTS overall band of 6.5 with no band less than 6.0; MELAB overall score of 80; CanTEST 4.5 minimum; or CAEL minimum overall score of 60, with no band below 50.

- Application Information Form
www.upei.ca/registrar/dvm_instruct_international.pdf
- \$35 Application Fee
- Supplementary Information Form
www.upei.ca/registrar/dvm_intn_supp.pdf
- Veterinary Evaluation Form
www.upei.ca/registrar/vetevalform5.pdf

Advanced Standing/Transfer Students Deadline:

1 January

Applicants who have completed either:

- a. all or portions of a veterinary medical program from a school not accredited by the Canadian Veterinary Medical Association and/or the American Veterinary Medical Association; or
 - b. at least one year at a college approved by the Canadian Veterinary Medical Association and/or American Veterinary Medical Association may apply for transfer to the second year of the DVM program. Places for advanced standing or transfer students are limited and depend on vacancies.
- Application Information Form
www.upei.ca/registrar/dvm_instruct_transfer.pdf
 - \$35 Application Fee

Note: The applicant is responsible to ensure that all required material is on file by the appropriate deadline; incomplete applications will not be reviewed. While the provisions of this document ordinarily will be applied as stated, the University reserves the right to change any provision listed herein, including but not limited to academic requirements for admission, without notice to individual applicants. Every effort will be made to inform applicants of any changes. Information on changes will be available from the Office of the Registrar.

b) Bachelor of Education

(i) Introduction

The Bachelor of Education (BEd) is a two-year post-degree program consisting of 20 three-hour credit courses in education. This program is designed to provide the variety of courses and extended field experiences through which students can develop the knowledge and skills needed to teach in the modern classroom. It is the opportunity for students to focus their studies in Early Years (grades 1–5), Middle Years (grades 5–9), or Senior Years (grades 9–12), and in International Education or Aboriginal Education.

(ii) Admission Requirements

Entrance Requirements

Students are required to have an overall weighted average of at least 70% (at least between C+ and B-) computed in the

last 20 courses taken for their first degree. In addition to the minimum overall required average, students must have completed academic courses in subjects taught in the school system which satisfy the requirements for the program level (early years, middle years, or senior years) into which they seek admission.

The general requirements for admission to the Faculty of Education are:

1. a degree from an approved registered university with an overall average of not less than 70% in the last 20 courses;
2. at least 6 semester-hours of credit in English (at least 3 of which must be in English composition);
3. completed academic courses in subjects taught in the school system which satisfy the requirements for the program level (early years, middle years, or senior years) into which they seek admission, as follows:

a. Early Years Program Level (grades 1–5)

In addition to the general requirements to enter the Faculty of Education, completion of three semester hours in each of the optional subject areas noted below is strongly recommended:

- Developmental Psychology;
- Classics, Fine Arts, or Music;
- Mathematics;
- a laboratory-based Science course;
- Canadian History;
- Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology, or Women's Studies; and
- a Modern Language.

b. Middle Years Program Level (grades 5–9)*

To enter this program, applicants must have an equivalent of two minors in different subjects, both of which are taught in the public school system. A total of three semester-hours in the following subjects is strongly recommended:

- Developmental Psychology;
- Classics, Fine Arts, or Music;
- Mathematics;
- a laboratory-based Science course;
- Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology, or Women's Studies; and
- a Modern Language.

c. Senior Years Program Level (grades 9–12)*

To enter this program applicants must have an approved degree with a major in one subject and a minor (or equivalent) in another subject, both of which are taught in the public school system. A total of three semester-hours in the following subjects is strongly recommended:

- Developmental Psychology;
- Mathematics;
- a Science course;
- Anthropology, Canadian Studies, Economics,

Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology or Women's Studies; and

- a Modern Language.

*Majors and minors must clearly relate to the subject areas listed below, for which the Faculty presently offers methodology courses:

- English;
- Social Studies (includes Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Political Studies, Sociology, or Women's Studies);
- Science (includes Chemistry, Biology, Geology, and Physics);
- Mathematics (includes Mathematics, Physics, and Computer Science);
- French; and
- Music (offered through the Bachelor of Music Education Program in the Faculty of Arts).

(iii) Application Process

Application Forms

You can download the forms in .pdf format. This will require the Adobe Acrobat Reader (www.adobe.com/products/acrobat/readstep2.html). The application form can then be hand-delivered or mailed to the UPEI Registrar's Office.

Bachelor of Education Two-year Program

Application deadline is 15 January (must be postmarked by this date) and your complete application package should include the following, and be sent directly to the Registrar's Office:

1. undergraduate Application Form (two pages) (www.upei.ca/registrar/app.pdf);
2. the \$35 Application Fee;
3. Faculty of Education Supplementary Information Form (six pages) (www.upei.ca/registrar/Application_Checklist.pdf);
4. three Reference Forms (2 pages) (www.upei.ca/registrar/Bedref.pdf);
5. a current *Curriculum Vitae* (resumé); and
6. two copies of official transcripts are required from each post-secondary institution where you have taken a course. Original transcripts are required even if transfer credits were given by another institution.

Note: Please refer to Guidelines for Application to Bachelor of Education Program before submitting an application (www.upei.ca/registrar/guidelines_BEEd.pdf).

Contact Jack MacDougall (jrmacdougall@upei.ca) at the Registrar's Office if you have any questions.
Phone: (902)566-0608
Fax: (902)566-0795

c) Bachelor of Education—Specialization in Teaching French Immersion

(i) Introduction

The Bachelor of Education—Specialization in Teaching French Immersion is a two-year post-degree program consisting of 20 three-hour credit courses in education, 10 of which are offered on the University of Prince Edward Island campus, and the remaining 10 at Université de Moncton. This program is designed to provide the variety of courses and extended field experiences through which students can develop the knowledge and skills needed to teach in the modern classroom. It is the opportunity for students to focus their studies in Early Years (grades 1–5), Middle Years (grades 5–9), or Senior Years (grades 9–12), and in International Education or Aboriginal Education.

(ii) Admission Requirements

Entrance Requirements

Students are required to have an overall weighted average of at least 70% (at least between C+ and B-) computed in the last 20 courses taken for their first degree. In addition to the minimum overall required average, students must have completed academic courses in subjects taught in the school system which satisfy the requirements for the program level (early years, middle years, or senior years) into which they seek admission.

The general requirements for admission to the Faculty of Education are:

1. a degree from an approved registered university with an overall average of not less than 70% in the last 20 courses;
2. at least 6 semester-hours of credit in English (at least 3 of which must be in English composition);
3. completed academic courses in subjects taught in the school system which satisfy the requirements for the program level (early years, middle years, or senior years) into which they seek admission, as follows:

a. Early Years Program Level (grades 1–5)

In addition to the general requirements to enter the Faculty of Education, completion of three semester-hours in each of the optional subject areas noted below is strongly recommended:

- Developmental Psychology;
- Classics, Fine Arts, or Music;
- Mathematics;
- a laboratory-based Science course;
- Canadian History;
- Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology, or Women's Studies; and
- a Modern Language.

b. Middle Years Program Level (grades 5–9)*

To enter this program, applicants must have an approved degree with a major and a minor, or at least the equivalent of two minors in different subjects, both of which are taught in the public school system. A total of three semester-hours in the following subjects is strongly recommended:

- Developmental Psychology;
- Classics, Fine Arts, or Music;
- Mathematics;
- a laboratory-based Science course;
- Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology, or Women's Studies; and
- a Modern Language.

c. Senior Years Program Level (grades 9–12)*

To enter this program, applicants must have an approved degree with a major in one subject and a minor (or equivalent) in another subject, both of which are taught in the public school system. A total of three semester-hours in the following subjects is strongly recommended:

- Developmental Psychology;
- Mathematics;
- a Science course;
- Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Philosophy, Political Studies, Religious Studies, Sociology, or Women's Studies; and
- a Modern Language.

*Majors and minors must clearly relate to the subject areas listed below, for which the Faculty presently offers methodology courses:

- English;
- Social Studies (includes Anthropology, Canadian Studies, Economics, Environmental Studies, Geography, History, Native Studies, Political Studies, Sociology, or Women's Studies);
- Science (includes Chemistry, Biology, Geology, and Physics);
- Mathematics (includes Mathematics, Physics, and Computer Science);
- French; and
- Music (offered through the Bachelor of Music Education Program in the Faculty of Arts).

4. Applicants must pass an oral and written proficiency test in French before admission to the specialization is confirmed.

Please note: Preference will be given to candidates who have at least a minor in French studies at a recognized university, and/or to candidates who have completed a first degree in a French-language university. Applicants who meet the admission requirements to the Faculty of Education, but who do not pass the French proficiency test, may be offered a space in the regular Bachelor of Education program.

(iii) Application Process

Application Forms

You can download the forms in .pdf format. This will require the Adobe Acrobat Reader (www.adobe.com/products/acrobat/readstep2.html). The application form can then be taken or mailed to the UPEI Registrar's Office.

Bachelor of Education Specializing in French Immersion, Two-year Program:

Application deadline is 15 January (must be postmarked by this date) and your complete application package should include the following, and be sent directly to the Registrar's Office:

1. Undergraduate Application Form (two pages) (www.upei.ca/registrar/app.pdf);
2. \$35 Application Fee;
3. Faculty of Education Supplementary Information Form (six pages) (www.upei.ca/registrar/frapplication_checklist.pdf);
4. three Reference Forms (2 pages) (www.upei.ca/registrar/Bedref.pdf);
5. a current *Curriculum Vitae* (resumé); and
6. two copies of official transcripts, which are required from each post-secondary institution where you have taken a course. Original transcripts are required even if transfer credits were given by another institution.

Note: Please refer to Guidelines for Application to Bachelor of Education Program before submitting an application (www.upei.ca/registrar/guidelines_BEEd.pdf).

Contact Jack MacDougall (jrmacdougall@upei.ca) at the Registrar's Office if you have any questions.
Phone: (902)566-0608
Fax: (902)566-0795

d) Bachelor of Science in Nursing (BScN)

(i) Introduction

The Bachelor of Science in Nursing (BScN) is a four-year program. Graduates are eligible to write licensure examinations to practise nursing and to hold membership in the Association of Nurses of Prince Edward Island.

(ii) Admission Requirements

1. Academic Requirements

High School graduate

Applicants must have successfully completed Grade 12 (OACs in Ontario as applicable) in a university preparatory program with an overall average of 70% in the following subjects: English, Mathematics, Chemistry, Biology, and one other academic subject. Applicants must also have a 65% minimum in each of English, Mathematics, Chemistry, and Biology.

University Application

Applicants attending or having attended a university must meet the same requirements as listed above, but can also complete the course requirements by taking degree-level courses. A minimum mark of 60% is required in degree-level courses.

Mature student

In addition to the general admission requirements for mature students, the following regulations apply: a student of mature years may be admitted to the School of Nursing without fulfilling all the entrance requirements specified for the high-school graduates; and a mature applicant must have achieved a mark of 65% in each of Grade 12 academic English, Mathematics, Chemistry, and Biology, or a mark of 60% for three semester-hours in the same subjects at the university level.

Extracurricular service

(submitted on the supplementary application form)

Selection Criteria

The total number of students admitted will be limited in accordance with facilities and resources, on campus and in the health care agencies, to provide quality education. The criteria serving as the basis for selection of students are listed in priority ranking:

- academic achievement; and
- extracurricular service and experience related to Nursing.

NOTE: Former UPEI Nursing students who withdrew in good academic standing during first year may be given priority for readmission to the program.

(iii) Application Process

Application Forms

You can download the forms in .pdf format. This will require the Adobe Acrobat Reader (www.adobe.com/products/acrobat/readstep2.html). The application form can then be hand-delivered or mailed to the UPEI Registrar's Office.

Application deadline is **15 February** (must be postmarked by this date) and your complete application package should include the following, and be sent directly to the Registrar's Office:

1. Undergraduate Application Form (two pages) (www.upei.ca/registrar/app.pdf);
2. \$35 Application Fee;
3. School of Nursing Supplementary Application Form (www.upei.ca/registrar/Nursing_App_2005.pdf);
4. a current *Curriculum Vitae* (resumé) if you are a mature student (22 years of age or older);
5. official transcripts are required from each high school and post-secondary institution where you have taken a course. Transfer credits received at another institution will not negate the requirement for original transcripts; and
6. if you include a second choice, you can be considered for admission to another Faculty once a decision has been made regarding your Nursing Application. Please note that if you meet the minimum requirements for the Nursing program, you will be accepted to the Faculty of Science, Business, and possibly Arts.

Contact Jack MacDougall (jrmacdougall@upei.ca) in the Registrar's Office if you have any questions.
Phone: (902)566-0608
Fax: (902)566-0795

e) Bachelor of Applied Science in Radiography (BScR)

(i) Introduction

This four-year degree program requires students to obtain approximately half their academic credits at each of the two institutions. Admission is by competition, following the process set out below, after the completion of a required set of courses in at least one year of university studies. A limited number of students are admitted each year.

(ii) Admission Requirements

Minimum Course Requirements

Ten three-semester-hour courses or equivalent are required. For students who have completed a total of 20 three-semester-hour courses or less, these must include (required UPEI course numbers in brackets):

Two courses in introductory Biology (Bio. 111/112)
www.upei.ca/registrar/biology.pdf
 Two courses in introductory Physics (Phy. 111/112 or 111/122)
www.upei.ca/registrar/physics.pdf
 Two courses in introductory Chemistry (Chem. 111/112)
www.upei.ca/registrar/chemistry.pdf
 Two courses in introductory Psychology (Psych. 101/102)
www.upei.ca/registrar/psychology.pdf
 One course in Mathematics (Math. 112) (alternatively, Math. 151/152)
www.upei.ca/registrar/math.pdf
 One course in English (preferably English 101)
www.upei.ca/registrar/english.pdf

Students who have completed more than 20 3-semester-hour courses may, with the permission of the Dean, be allowed to enter the program without having completed the full suite of required courses listed above. Nevertheless, courses not done prior to admission must be completed as a program requirement before graduation. All required courses must have a passing grade identified by letter or numerical grade. Biology, Physics, and Chemistry courses will normally have a laboratory component. Details of course content may be required for any course proposed for admission purposes.

(iii) Application Process

For application to Bachelor of Applied Science in Radiography at UPEI, see Bachelor of Science process (Part A of Application & Admission Requirements) (www.upei.ca/registrar/application_adm_all.pdf)

Deadlines

All application materials, including transcripts and accompanied by the application fee, must be received in the Office of the Registrar not later than **15 May** of the year for which admission is sought. No extensions will be permitted.

Assessment of Applications

Students must achieve an average of 70% in the minimum course requirements to be considered for an interview. A higher-level course may be used as a substitution for a minimum course requirement providing it is in a related field of study. For example, Biology 401 may be substituted for Biology 111.

The top applicants are interviewed for the available seats. Offers of admission are based on results of the interview as well as academic achievement. Successful applicants will be notified in writing within two weeks of their interview.

Reapplication

If a previously denied applicant wishes to reapply, he/she follows the same process as that described above.

f) Diploma in Engineering

Introduction

The Engineering Diploma Program at UPEI provides the first portion (three years) of an accredited Engineering Degree. Students can then transfer to complete the specialized portion of the Engineering Degree at Dalhousie University or the University of New Brunswick. Students may also be eligible to transfer to other Canadian Engineering Programs. For Application and Admission procedures for Engineering, follow those for a Bachelor of Science (Part A of Application & Admission Requirements) (www.upei.ca/registrar/application_adm_all.pdf).

3. ARTICULATED PROGRAMS

a) Bachelor of Applied Arts in Print Journalism (BAPJ)

The **Bachelor of Applied Arts in Print Journalism** is an articulated degree offered by the University of Prince Edward Island in co-operation with Holland College.

Admissions

Students meeting admission standards to the Faculty of Arts at the University may register in "Pre-Journalism." During their first year of university study, such students may apply for admission to the Holland College Journalism program. Registration in pre-journalism does not guarantee admission to the Holland College Journalism program. Students can consult the Holland College website at www.hollandc.pe.ca for information about admissions criteria at Holland College.

For application to Pre-journalism at UPEI, see Bachelor of Arts process (Part A of Application & Admission Requirements) (www.upei.ca/registrar/application_adm_all.pdf).

b) Bachelor of Business in Tourism and Hospitality (BBTH)

The Bachelor of Business in Tourism and Hospitality (BBTH) is a two-year post-diploma degree available only to graduates of diploma programs at the Atlantic Tourism and Hospitality Institute (ATHI) or of similar programs at similar post-secondary institutions. This post-diploma degree provides the opportunity for students to continue their education through a concentration in Business Administration.

Students must meet the UPEI admission requirements for this degree by completing the ATHI diploma, including economics, or equivalent course work at a university or college, with a minimum overall average of 70% and a 70% average in the core courses. In the BBTH program, students must meet the same requirements as in the BBA degree of obtaining grades of at least 60% in 10 of the Business courses required in this program in order to qualify for the degree. Students are subject to all of the Academic Regulations of the University.

For application to Bachelor of Business in Tourism and Hospitality at UPEI, see Bachelor of Business Administration process (Part A of Application & Admission Requirements) (www.upei.ca/registrar/application_adm_all.pdf).

4. TRANSCRIPT AND CREDIT ASSESSMENT FOR ALL APPLICATIONS

Transcripts from post-secondary institutions are assessed for Transfer Credits at the time of admissions consideration by the Registrar's Office. Students who have been admitted to the University and who believe that they can meet, or have met, the requirements of a course, may seek UPEI credit by means of challenge for credit, or recognition of "Special Credits" earned elsewhere (see Academic Regulations 15 & 17).

5. PRE-PROFESSIONAL STUDIES

The University of Prince Edward Island offers preparatory course work to enable students to apply to a wide variety of professional programs at this and other institutions, including Agriculture, Architecture, Dentistry, Law, Medicine, Occupational Therapy, Physiotherapy, and Veterinary

Medicine. Students are advised to consult the admissions requirements for the universities and programs of their choice, and to select their UPEI courses accordingly, with due regard to the content and course-sequencing of their UPEI program in the event that a UPEI degree is to be completed before admission elsewhere. The following website and mail addresses may be helpful to students seeking further information:

Agriculture

McGill University (Macdonald College)
<http://www.mcgill.ca/macdonald>
 Nova Scotia Agricultural College
www.nsac.ns.ca/academics/programs.htm

Architecture

Dalhousie University
www.dal.ca/~arch/architecture/prospective/admission_info.shtml

Dentistry

Dalhousie University
www.registrar.dal.ca

Law

Dalhousie University
www.registrar.dal.ca

University of New Brunswick
www.law.unb.ca

Medicine

Dalhousie University
www.registrar.dal.ca

Memorial University of Newfoundland
www.med.mun.ca/med

Occupational Therapy

PEI Provincial Fieldwork Co-ordinator
 Occupational Therapy Manager
 Queen Elizabeth Hospital
 P.O. Box 6600, Charlottetown, PE C1A 8T5
 Phone: (902) 894-2062

Dalhousie University
www.occtherapy.dal.ca

Physiotherapy

PEI Clinical Co-ordinator
 Physiotherapy Department
 Queen Elizabeth Hospital
 P.O. Box 6600, Charlottetown, PE C1A 8T5
 Phone: (902) 894-2062
 Dalhousie University
www.dal.ca/~ptschool

Veterinary Medicine

University of Prince Edward Island
 (Atlantic Veterinary College)
www.upei.ca/registrar/application_adm_dvm.pdf

GENERAL ACADEMIC REGULATIONS

The following regulations pertain to all undergraduate-level programs of study at UPEI. Most programs have additional, specific academic regulations that must also be followed and course requirements that must be met (see the relevant Department in the Academic Programs section of the Calendar for details). Students are responsible for learning which regulations and requirements apply, and for abiding by them throughout their course of study. Students are encouraged to discuss course and degree requirements with Academic Advisors in Student Services, the academic department Chair, and/or the Dean of the Faculty concerned. Normally, the regulations in effect at the time of a student's first entry to UPEI will govern the student's academic requirements until graduation.

Note: *The University reserves the right to add to, alter, delete, or amend these regulations at any time.*

1. REQUIREMENTS FOR A DEGREE

- a) Bachelor of Arts and Bachelor of Science degrees—120 semester-hours of credit with a major subject in which at least 42 semester-hours of credit are taken. This figure is higher in some departments. Another 42 semester-hours of credit may be required in other subjects.
- b) Beginning with first-year students in 1993–94, in order to graduate with a major, a student must pass at least 30 semester-hours of credit of the 42 defined in 1(a) in the major subject with grades of at least 60%.

- c) Maximum Number of Introductory-Level Courses—No more than 48 semester-hours of credit may be taken at the introductory level in any degree or diploma program, except in a Bachelor of Music program, in which 49 semester-hours of credit at the introductory level may be taken.

- d) Students may declare to the Registrar's Office their major area of study at any time up to the end of their second year (after completing 48 to 60 semester-hours of course work). Forms are available from the Registrar's Office.

- e) A candidate for a degree must complete at least one-half of the required course work at UPEI. Normally, these will be the final 60 semester-hours of the degree; exceptions may be made only with the permission of the Dean.

- f) In the last 60 semester-hours of work toward a UPEI degree, students will receive credit for no more than 12 semester-hours of study completed at another university; exceptions may be made only with the permission of the Dean.

- g) Before being awarded any degree or diploma from UPEI, all students (except Engineering and Public Administration students who require only English 101) must successfully complete six semester-hours in English, three of which are to be English 101 (Academic Writing). An exception may be made by the appropriate Dean for any student holding a degree from another university and pursuing a certificate, diploma, second baccalaureate degree, or graduate degree from UPEI.

- h) Special regulations apply to Honours degrees (not available in all program areas). See the relevant academic department section of the Calendar for details.

i) Second Undergraduate Degree Regulations—Students who have earned a first Bachelor-level degree may pursue a second Bachelor-level degree as long as no more than 18 semester-hours of study in the subject area of interest have been completed in the first degree, and as long as at least 60 semester-hours of credit will be completed toward the second degree at UPEI. All program requirements for the second degree must be met within these 60 semester-hours of study, the program for which will be approved by the Dean. Exceptions will be made only with the permission of the Dean.

2. TIME LIMIT TO COMPLETE DEGREES

Students are strongly urged to complete their degree requirements within 10 years from the date of their first registration. (See also Nursing and Radiography Sections.) Students who have not completed their degree(s) within a 10-year period from the time they begin their university studies will have transcripts re-evaluated, and are cautioned that courses over 10 years old may be deemed inappropriate on the current degree and may require substitution. Exceptions will be made only with the permission of the Dean.

3. YEAR OF STUDY

For purposes of registration and statistical analysis of the student body, all full-time students are categorized as First-, Second-, Third-, or Fourth-Year students. The categories are based on completed semester-hours of study, as follows:

	Current	Recommended
First Year:	0-18	0-24
Second Year:	21-48	25-54
Third Year:	51-78	55-84
Fourth Year:	81+	85+

This designation does not mean that all *degree requirements* for a given year of a program have necessarily been met; nor does it refer to the number of years a student has studied at UPEI.

4. ENROLMENT STATUS

To qualify as a full-time undergraduate student in any given semester, one must be registered:

- in nine or more semester-hours of study (usually three courses taken for credit);
- as a full-time English Academic Preparation (EAP) program student; or
- as a co-op, internship, or practicum student on a full-time work placement (equivalent to 15 semester-hours of study).

5. COURSE LOAD

Fall/Winter semesters: except for DVM & Engineering students, the full course load for a full-time student is five courses (15 semester-hours) in each semester. An overload of three semester-hours is automatically approved for students with an average of at least 70% on five or more courses taken in the previous semester. The minimum course load for full-time student status is three courses (nine semester-hours) per semester.

Spring/Summer semesters: except for DVM & Engineering students, the full course load for a full-time student is three courses (nine semester-hours) in each semester. The minimum course load for full-time student status in these semesters is two courses (six semester-hours).

6. COURSE REGISTRATION

- The registration process consists of two steps:

- preregistration or course selection, available from the dates specified in the calendar; and
- payment of fees by the published deadline.

b) Double-scheduling: students are not permitted to register in two courses that are offered during the same time period or during time periods that overlap.

c) Course changes: students may make changes to their course selections as follows:

- adding:** changes are made online, up to the “last day to register”; after this date, or at any time for classes that are “closed” by the Registrar’s Office, permission of the instructor and Chair (Arts and Science) or instructor and Dean (Professional programs) is required;
- dropping:** changes are made online, up to the “last day to register”; after this date, and up to the deadline for discontinuation as published in the Calendar, changes must be made in person at the Registrar’s Office;
- non-credit status:** changes from “for credit” registration to “audit” status are made in person until the final day for 100% refund. **Note:** courses taken as non-credit audits **may not** be changed to “for credit” status at any point in the semester; and
- “audit” status:** registration as an auditor requires the permission of the instructor and Chair or Dean, as appropriate.

7. DE-REGISTRATION

Students who have not paid course tuition and other fees by the published deadline may be de-registered and will not be permitted to write final examinations or to register in any subsequent semester. Reinstatement of registration on appeal will be made for exceptional cases only, at the discretion of the Registrar in consultation with the Manager of Accounting.

8. LETTERS OF PERMISSION

“Students enrolled at UPEI and wishing to take courses at other institutions for credit towards their UPEI degree or diploma are advised that a “Letter of Permission” **must** be obtained from the Registrar’s Office in advance. The Registrar’s Office is responsible for assessing the equivalency of the courses for which permission to register is sought, in consultation with the department and/or Dean as appropriate, and will provide the necessary documentation to the host institution. Students are responsible for requesting transcripts from the host institution to be sent directly to the Registrar’s Office at UPEI on completion of their course(s).

9. DIRECTED STUDIES

- A student may credit up to 18 semester-hours of Directed Studies towards a degree.
- Any student in Third or Fourth Year may apply to take Directed Studies.
- A student must have at least 12 hours of credit in a department as a prerequisite to Directed Studies courses.
- A student may take up to six semester-hours of Directed Studies in any one semester.
- A student may take up to 12 semester-hours of Directed Studies in one department.
- Certificated teachers, completing the one-year BED program on a part-time basis, are permitted to take up to 18 semester-hours of Directed Studies courses with the permission of the Dean.
- For each Directed Studies course, a proposal approved by the instructor, the Department Chair, and the appropriate Dean will be sent to the Registrar no later than the last

day for course change for the semester. The proposal must include a course title, a description of the content and of the method of evaluation, the names of the instructor and the student(s), the semester and year the course is offered.

h) At the conclusion of the course, if there have been substantial changes from the original proposal, the instructor will submit a report to the Department Chair, the appropriate Dean, and the Registrar.

10. COURSE-WORK EVALUATION

Grades at UPEI are presented numerically, in terms of alpha-range, and by GPA as follows:

Grade	GPA	% Range	Verbal descriptor	Comments
A+	4.3	91-100	Exceptional	
A	4.0	85-90	Excellent	
A-	3.7	80-84	Extremely good	
B+	3.3	77-79	Very good	
B	3.0	74-76	Good	
B-	2.7	70-73	Fairly good	
C+	2.3	67-69	More than adequate	Transfer credits: for core courses, must be min. C- to count as requirement
C	2.0	64-66	Adequate	
C-	1.7	60-63	Minimum for good Academic standing	
D+	1.3	57-59	Below good standing	
D	1.0	54-56	Minimally acceptable	
D-	0.7	50-53	Barely acceptable	
F	0.0	0-49	Below university requirements	Departments/ Schools should not use "internal" equivalencies of 30% or 40%

a) **Course outlines/syllabi:** These are distributed by instructors to the class during the first week of each semester, and must include details regarding methods to be used in evaluating student work and the value of each assignment as a percentage of the final course grade.

b) **Attendance:** Instructors may count student attendance/ participation in calculating final standing in a course, if noted in the course outline. Professional programs may require 100% attendance. *See Departmental Regulations in the relevant section of the Calendar.*

c) **Passing grade:** The minimum final grade required to earn course credit is 50%.

Note: *Professional programs and some other departments have exam-, course-, and program-specific minimum grade requirements, which supersede this minimum. See Departmental Regulations in the relevant section of the Calendar.*

d) **Some labs,** tutorials, field placements, and professional-program courses are graded as Pass or Fail and, as such, are not included in any academic-standing, academic-award, or Deans' Honours calculations. *See Departmental Regulations in the relevant section of the Calendar.*

e) **Incomplete courses:** under exceptional circumstances, students may request temporary "Incomplete" standing in a course for which they have not completed all requirements. If the instructor approves the request, the Department Chair must notify the Registrar that an Incomplete (INC) will be submitted as an interim final grade, and the student will be given up to three months to complete the course work (some program requirements, such as DVM, would dictate shorter extension periods). A request for an extension of up to six months must be approved by the Dean.

"Incompletes" automatically become "Fs" at the end of the approved extension period, if the work is not completed and a grade submitted. Requests for Incomplete Standing are subject to appeal.

f) Course repetition:

(i) While University policy permits passed courses to be repeated, students should be aware that marks obtained in such instances shall not be used in the determination of awards or scholarships administered by the University; and, where enrolment restrictions apply, preference will be given to those taking the course for the first time. The grade received in the second attempt normally shall be the grade for which credit is given. Students considering repeating a passed course are advised to consult first with the Chair of the Department concerned, and the Dean of the Faculty or School;

(ii) No course, once taken, passed, and applied for credit towards a degree or diploma may, if retaken, be applied for credit towards any other degree or diploma earned at the University;

(iii) Except as otherwise stated in program regulations, no student will be allowed to take the same course more than three times, or to be examined in the same course more than four times, unless by permission of the Dean of the Faculty or School in which the course is offered.

Professional program regulations on academic performance will supersede this regulation.

g) Access to Examinations and Papers:

(i) A copy of all written assignments and examinations not returned to students must be retained by the instructor for a minimum of 60 days after submission of marks;

(ii) Final examinations and/or final submissions of course work must be retained by instructors for a minimum of 60 days after the date of the final examination, unless the work is returned to the students;

(iii) Professors must make available to students, at least temporarily, all papers and examinations with grades affixed to them.

See the Disclosure of Student Information Policy.

11. TRANSCRIPT ABBREVIATIONS

AUD—audit

DISC—discontinued/withdrawn

DIST—distinguished

F—failed

INC—incomplete (an extension has been approved)

NC—non-credit

P—passed

PD—passed with distinction

QEH—course taken at QE Hospital, Charlottetown

TR—transfer credit

12. ACADEMIC APPEALS

a) In the application of all academic regulations, students shall have access to a fair and just hearing subject to appeal. In every case, it is the student appellant's responsibility to ascertain the time allowed for filing a notice of appeal (see below).

i) Appeals on Grades

a) An informal appeal must first be made to the instructor within four weeks of receipt of the grade. For Professional Programs, see internal policy/procedures,

which may be more specific than these general regulations, and may include different information/requirements. Professional program regulations override this academic regulation in these cases.

b) A formal appeal must be made in writing within one week of the instructor's decision. This appeal must be submitted to the Chair, who will consult within the Department before arriving at a decision. The Department will provide the student with a copy of the internal policy/procedure on appeals on receipt of the written submission.

c) The Department Chair's decision may be further appealed, in writing, within two weeks of the decision being rendered to the Dean of the Faculty, who shall name a committee to hear the appeal. The Dean will provide the student with a copy of the Faculty's internal policy/procedure on appeals on receipt of the written submission.

d) Decisions on final course grades may be further appealed, in writing, within one month of being rendered, through the Registrar to the Senate Committee on Student Academic Appeals.

(ii) Other Appeals

Appeals of decisions on academic matters other than grades are to be directed to the Senate Committee on Student Academic Appeals through the Registrar. All decisions of this Committee shall be final unless appeal is made to the Board of Governors in keeping with the terms of the University Act.

13. EXAMINATION REGULATIONS

a) Restrictions on Testing: No tests or examinations of any kind are to be held during the two-week period preceding the final day of classes, nor during any reading period, without the permission of the Chair and the appropriate Dean. In-class presentations and practical (lab) examinations scheduled on the course outline are excepted.

b) Special (final) examinations: Under exceptional circumstances (severe illness, jury duty, personal or family tragedy), students may request a "special examination" outside the final examination period. Students must make application to the Registrar within 48 hours of a missed examination. Appropriate documentation must be submitted with the application. The Registrar will consult with the instructor, Department Chair, and Dean on receipt of any such application, and will communicate the decision to the student (as per Senate decision, September 2001). Decisions on applications for Special Examinations are subject to appeal (see Regulation #12).

14. TRANSFER CREDITS

Transfer of credit from post-secondary institutions is available to students who have been admitted to the University, under the following conditions:

a) Students shall receive credit for courses successfully completed at another recognized Canadian university and for which credit is given at that university, under the following conditions:

(i) courses must be acceptable in the program to which transfer is being sought either as required courses or as electives; and

(ii) effective with courses taken in the 1994–95 academic year, grades must be at least 50% or, where the passing grade for the equivalent UPEI course is different than 50%, at least that passing grade. Similarly, students may receive credit for courses completed at universities other than recognized Canadian universities. Requests will be considered on an individual basis.

b) Beginning in the 1997–98 academic year, students may receive credit for courses successfully completed at a member institution of the Association of Canadian Community Colleges and for which credit is given at that institution, under the following conditions:

(i) courses must be acceptable in the program to which transfer is being sought either as required courses or as electives;
(ii) grades must be at least 60% or, where the grading system is different than that of UPEI, at least at an equivalent level above the minimum passing grade; and
(iii) transfer will be allowed by the Registrar only on the recommendation of the appropriate Dean.

c) Application of Certain Professional Courses—Normally, professional courses taken at UPEI or other universities may not be applied to other degree programs at UPEI. Nevertheless, within the Faculty of Science and with the approval of both the Department Chair and Dean, certain courses in the DVM program at UPEI and in accredited programs in the health professions at other universities may be accepted for credit toward the baccalaureate degree in Science. Applications for degrees under this Regulation will be considered on a case-by-case basis. Not more than 30 semester-hours of professional courses may be so credited.

d) Evaluation of Transcripts—The evaluation of transcripts shall be the responsibility of the Registrar's Office in consultation with the appropriate Department and Dean.

e) All courses transferred to UPEI will be noted as "TR" on the transcript with a grade of "P."

15. CHALLENGE FOR CREDIT

Challenge for credit by examination is available, by permission of the relevant Chair, to people who have been admitted to the University and who believe that they can meet the requirements of a course, under the following conditions:

a) The course(s) for which credit is sought must be among those identified by the relevant academic unit as being open to challenge for credit (challenge for credit does not apply to Modern Languages).

b) No challenge for credit will be accepted when any attempt has been made within the previous 10 years to earn credit in the course, or an equivalent course, whether by challenge or otherwise.

c) Not more than 10 credits (30 semester-hours of credit) towards any degree may be earned by the challenge route.

d) Application to the Registrar's Office must be made, and the appropriate non-refundable fee paid, for each course in which examination is sought (see section on "Fees"), at least one month before the start of the examination period or, for examinations to be held in late August or early September, by 15 July. Challenge for credit examinations

normally are taken during the scheduled examination periods but, where appropriate, may be taken at a time to be scheduled during late August or early September.

e) Challenge for credit examinations are special examinations that test the student on the content of the entire course. They are not necessarily the same as final examinations written by regular students. In certain courses, completion of laboratory/practical components may be required.

f) A successful challenge results in a credit on the student's transcript with the notation "P." An unsuccessful challenge is not recorded on the transcript.

16. SPECIAL CREDITS

a) Beginning in the 1999–2000 academic year, academic credentials obtained in settings other than credit programs in universities and ACCC member colleges may be recognized in certain cases. Credentials are evaluated after admission to the University, and upon payment of the appropriate non-refundable fee (see Calendar section on "Fees": www.upei.ca/registrar/fees.pdf).

b) Applicants are required to provide, during the first academic year of registration at the University, documentation which, in the applicants' opinion, demonstrates the successful completion of academic work commensurate with the credit(s) being sought. The academic units evaluating the documentation may require detailed program and course descriptions and other information necessary to evaluate the learning acquired. At their discretion, the academic units may interview the applicant or seek supplementary information by way of an oral or written examination.

c) Credit, if granted, is on the recommendation of the academic unit offering the equivalent UPEI course(s), with the endorsement of the Dean of the Faculty or School in which each course is offered.

d) Recognition of special credits by other institutions does not in itself indicate that UPEI will recognize such credits.

e) A Special Credit is recorded on a student's transcript with the notation "P" and a notation of the source of the Special Credit.

17. ACADEMIC STANDING

At the end of each academic year, students are automatically assigned one of the following standings based on academic performance to date:

Good standing: satisfactory performance, with no more than one F and 60% in at least half of courses taken in each semester of a full academic year

Academic probation: more than one failed course, and/or less than 60% on half or more of the courses taken in one semester in the academic year

Academic dismissal: more than one failed course and/or less than 60% on half or more of the courses taken in each semester of the academic year **OR** while on probation, more than 1 failed course and/or less than 60% on half or more of the courses taken in one semester

Normally, probation will last one full academic year. After each semester, warning letters may be issued, restrictions on

maximum course loads may be adjusted, and enrolment in an academic support program may also be required. Dismissed students are eligible to reapply to UPEI or any other Canadian post-secondary institution after one year. Any post-secondary studies completed during the period of dismissal are not eligible for credit towards a degree or other credential. Probationary or Dismissal standings and warning restrictions are subject to Appeal.

18. DEANS' HONOURS LIST

Standing for inclusion on the Deans' List is calculated annually at the end of the academic year based on a minimum of 30 semester-hours of credit (10 courses) taken between the 1 September–31 August academic year with an average of at least 80% required and no courses failed. The only exception to the semester-hour requirement is for Fourth year students who require fewer than 30 semester-hours of work to graduate, provided that they obtain a minimum of 24 semester-hours of credit during the September–May year, and that they have had previous standing on the Deans' List.

19. DEGREE STANDING

When it has been certified that a student has met all of the requirements for a degree, the degree standing is determined on the basis of academic performance in Third and Fourth Years. The grades obtained in the final 60 semester-hours of credit required for the degree are averaged, with degree standing accorded as follows:

- 80% or higher: first-class standing
- 70–79%: second-class standing
- 50–69.9%: pass standing

After a degree has been awarded, the recipient's transcript will indicate if first-class or second-class degree standing was achieved.

20. ACADEMIC DISHONESTY

As a community of scholars, the University of Prince Edward Island is committed to the principle of academic integrity among all its participants. Academic dishonesty as defined in this Regulation will not be tolerated and, within the constraints of this Regulation and Academic Regulation 12, the University supports instructors in their efforts to deal effectively with cases as they may arise from time to time.

a) Actions which constitute academic dishonesty are considered an offence within the University and include:

- (i) plagiarism, which occurs when a student submits or presents work of another person in such a manner as to lead the reader to believe that it is the student's original work; self-plagiarism is the submission of work previously submitted for academic credit without prior approval of the professor;
- (ii) cheating on tests or examinations, including giving false reasons for absence;
- (iii) falsifying records or submitting false documents, including falsifying academic records, transcripts, or other University documents, or misrepresenting one's credentials;
- (iv) other academic misconduct such as the unauthorized use of recording devices or the unauthorized acquisition of computer software or other copyright material.

b) When there is reasonable evidence to support an allegation of academic dishonesty, the matter shall be

discussed with the student at the earliest opportunity.
A written record of the incident and the response of the University will be sent to the student and to the appropriate Chairperson and Dean, and will be placed by the Dean on the student's file in the Office of the Registrar.

c) One or more of the following sanctions may be imposed, depending on the seriousness of the offence:

- (i) the instructor, within his/her authority for assignment of course grades, may impose:
 - a) a reprimand;
 - b) assignment of a mark of zero or a failure for the piece(s) of work under review;
 - c) assignment of a grade of "F" in the course in which the offence was committed;
 - d) suspension of privileges in cases where the offences have involved misuse and/or abuse of the library, computer, or other University resources;
- (ii) the Dean, in consultation with the Department where appropriate, may recommend to the President suspension or expulsion from the University;
- (iii) the President may impose suspension or expulsion from the University;
- (iv) the Senate may withhold or revoke a degree, diploma, or certificate.

d) The student has the right to appeal through the provisions of Academic Regulation 12.

21. APPLICATION TO GRADUATE

Candidates for degrees, diplomas, and certificates **must** make formal application to graduate by submitting the online form that is posted on the Registrar's Office website each Fall. The deadline for making such application is **31 October** of the academic year in which students expect to complete their program requirements. **It is students' responsibility to monitor their program standing by reviewing their Degree Audit report and degree requirements/regulations on the UPEI website throughout their studies, and well in advance of submitting an application to graduate.**

Arts Seminars

www.upei.ca/art.seminars

Philip Smith, Co-ordinator

First-year students seeking the challenge of in-depth examination of a theme in the humanities and social sciences, and enhancement of academic reading, writing, thinking, and oral presentation skills in a supportive seminar environment, are invited to consider enrolling in Arts 101. These first-year seminars are led by selected third- and fourth-year students who are well-prepared in the content area and with skills in seminar leadership. Both Arts 101 and Arts 400 are graded on a pass/fail basis.

101 FIRST-YEAR ARTS SEMINAR

In this course, first-year students explore a theme in the humanities and social sciences in seminars led by pairs of selected third- or fourth-year Arts students. Theme topics vary from section to section of the course and are available on the University website and from the Co-ordinator. Multiple opportunities are presented for careful reading, participation in class discussions, oral presentations, and written work. Enrollment is limited to a maximum of 14 students to enhance prospects for full engagement in the academic content of the seminar, in development of academic skills, and in community-building. **PREREQUISITE:** Permission of the Co-ordinator
Three hours a week
Three semester-hours of credit

400 LEADING A FIRST-YEAR ARTS SEMINAR

In this course, pairs of selected third- or fourth-year students lead seminars for first-year students, exploring a theme in the humanities and social sciences. Seminar leaders propose to the Co-ordinator a theme for their semester-long seminar; develop, with appropriate faculty consultation, a proposed seminar syllabus, including reading lists, assignments, and class activities; lead a first-year seminar of 12 to 14 students; provide feedback on assignments; and assign a grade to students. Seminar leaders participate in workshops prior to the first semester, and, during the first semester, in a one-hour-per-week seminar with other student leaders and a faculty member, to address integration and analysis of the subject matter under consideration and to develop pedagogical skills in seminar design, active learning, responding to oral and written presentations, and shaping the classroom environment. **PREREQUISITE:** Third- or fourth-year standing in Arts; and permission of the instructor
Three-hour seminar a week
Six semester-hours of credit

Asian Studies

www.upei.ca/asian/

Co-ordinator

Mian B. Ali, Co-ordinator

Co-ordinating Committee

Tony Couture, Philosophy

Richard Kurial, History

Philip G. Davis, Religious Studies

Lothar Zimmermann, Modern Languages

Richard Wills, Sociology & Anthropology

Henry Srebrnik, Political Studies

Asia is the home of the most ancient and longest-lived civilizations the world has witnessed and of most of the world's present population. Moreover, recent history would be impossible to write without frequent reference to Asia. Many of the momentous events of modern times can be evoked by the names of Asian countries: Japan, China, Israel, India, Pakistan, Korea, Vietnam, Afghanistan, Iran, and Iraq. The resolution of many of today's pressing issues requires an understanding of the needs and interests of the Asian peoples.

REQUIREMENTS FOR A MINOR IN ASIAN STUDIES

A minor in Asian Studies consists of twenty-one (21) semester hours of credit taken from the list of approved courses. Asian Studies 201 and 202 are compulsory for the Minor. At least three semester hours of credit must be taken from any two of the four groups of Asian Studies electives. Students must take at least six semester hours of elective credit outside of their major area of study.

ASIAN STUDIES CORE COURSES

201 INTRODUCTION TO WEST ASIA

This course is an historical introduction to the peoples and cultures of West Asia. It explores the major cultural, intellectual, institutional, social, and religious features of the Middle East, central Asia, and the Indian subcontinent, covering each region's traditions and historical development. The course also deals with modernization and the impact of Western ideas, values, and institutions on modern West Asia. This is a required course for the Minor in Asian Studies.

Cross-listed with History (cf. History 291)

Three hours a week.

202 INTRODUCTION TO EAST ASIA

This course is an historical introduction to the peoples and cultures of East Asia. It explores the major cultural, intellectual, institutional, social, and religious features of China, Japan, and Korea, covering each region's traditions and modern developments. This course also introduces Taiwan, Hong Kong, and the impact of Western ideas and institutions on modern East Asia. This is a required course for the Minor in Asian Studies.

Cross-listed with History (cf. History 292)

Three hours a week.

451-452 DIRECTED STUDIES

These courses may be offered to meet particular student needs or take advantage of special faculty expertise.

Three hours a week per course

NOTE: Directed Studies courses from other disciplines with an Asian focus may be accepted for credit towards the Minor with the approval of the Co-ordinator of Asian Studies. (See Academic Regulation 9 for Regulations Governing Directed Studies.)

ASIAN LANGUAGE COURSES

101 INTRODUCTION TO JAPANESE I

This course is designed for students with no prior knowledge of Japanese. It introduces the basic elements of modern standard Japanese, covering conversation, vocabulary, pronunciation, and written exercises. Some traditional elements of Japanese culture are also introduced.

Cross-listed with Modern Languages (cf. Modern Languages 101)

Note: Another Asian language may be substituted, subject to the availability of instruction.

102 INTRODUCTION TO JAPANESE II

This course is a continuation of Asian Languages 101. It is designed to provide further elements of modern standard Japanese, covering conversation, vocabulary, pronunciation, written exercises, and simple readings. More relevant elements of Japanese culture are introduced.

PREREQUISITE: Asian Languages 101 or permission of instructor

Cross-listed with Modern Languages (cf. Modern Languages 102)

Three hours a week

Note: Another Asian language may be substituted, subject to the availability of instruction.

ASIAN STUDIES ELECTIVES

Language Courses (see above 101 and 102)

Peoples and Cultures

Sociology/Anthropology 212 Peoples of South Asia

Sociology/Anthropology 241 Japanese Culture and Society

Philosophy, Religion and the Arts

Philosophy 431/432 Directed Studies: Oriental Philosophy

Religious Studies 201 Religious Traditions of Asia

Religious Studies 221 Buddhism East and West

Religious Studies 242 The Hindu Religious Tradition

Religious Studies 251 Japanese Religion and Culture

Religious Studies 261 Religion and Philosophy in China

Religious Studies 321 Women in Eastern Religions

History and Politics

Political Studies 343 Comparative Politics of South Asia

Political Studies 363 Comparative Politics of the Middle East

PREREQUISITES: The Departments of Political Studies, Religious Studies, and Sociology/Anthropology accept Asian Studies 201/202 as substitute prerequisites for any of their courses on this list.

Biology

www.upei.ca/biology/

Biology Faculty

J. Charles Cheverie, Professor Emeritus

Louis A. Hanic, Professor Emeritus

Kevin L. Teather, Associate Professor, Chair

Roger Gordon, Professor

Christian R. Lacroix, Professor

Donna J. Giberson, Associate Professor

Daryl L. Guignon, Associate Professor

Lawrence R. Hale, Associate Professor

James R. Kemp, Associate Professor

Marina B. Silva, Associate Professor

Marva I. Sweeney-Nixon, Associate Professor

Robert Hurta, Assistant Professor

Charles Brockhouse, Adjunct Professor

David K. Cairns, Adjunct Professor

Martin Carter, Adjunct Professor

Robert Coffin, Adjunct Professor

Solke DeBoer, Adjunct Professor

Carlos Greco, Adjunct Professor

Rick Peters, Adjunct Professor

H.W. (Bud) Platt, Adjunct Professor

Huimin Xu, Adjunct Professor

Patrick D. Doyle, Sessional Lecturer

REQUIREMENTS FOR A MAJOR IN BIOLOGY

A student enrolled in the Majors program in Biology will complete a minimum of 42 semester hours in Biology, and additional courses in Chemistry, Physics and Mathematics according to the program outlined below. Students are normally required to complete Math 112 and Math 221. Some students may wish to take upper level Mathematics, Chemistry, or Physics courses for which Mathematics 151-152 is required: therefore Mathematics 151-152 may be taken in place of Mathematics 112 but the statistics requirement of Mathematics 221 remains. Credit will not be given for both Mathematics 112 and Mathematics 151 or 152. Students are required to take Chemistry 241-242 or Chemistry 243; credit will not be given for both Chemistry 243 and Chemistry 241 or 242. Information Technology (IT) 111 is recommended for all Biology majors. The remaining number of semester hours required to complete the requirements for the Biology major will be made up from courses selected by the students.

NOTE: Please see Academic Regulation 14(3): Application of Certain Professional Courses

BIOLOGY MAJORS PROGRAM

The following sequence of courses is strongly recommended

Semester Hours Credit

First Year	
Biology 111-112	6
Chemistry 111-112	6
Mathematics 112 or 151-152	3 or 6
Physics 111-122 or (111-112)	6
Electives.....	6 or 9
First Year Semester Hours Total	30

Second Year

Biology 202, 204, 206	9
Biology 221	3
Biology 222	3
Biology 223	3
Chemistry 241-242 or 243	3 or 6
Electives	6 or 9
Second Year Semester Hours Total	30

Third Year

Biology 326	3
Biology Electives at 200 level or above.....	9
Chemistry 351-352.....	6
Math 221.....	3
Electives.....	9
Third Year Semester Hours Total	30

Fourth Year

Biology Electives at 400 level.....	6
Electives	24
Fourth Year Semester Hours Total	30

Total Semester Hours.....120

REQUIREMENTS FOR HONOURS IN BIOLOGY

The Honours program in Biology is designed to provide research experience at the undergraduate level within the BSc

program. It is available to students with a strong academic background who intend to continue studies at the postgraduate level in Biology or some related field, or to students who intend to pursue a career where research experience would be an asset.

The Honours program differs from the BSc Major program in having a research and thesis component. The total course load, however, is the same, five courses per semester for eight semesters. However, the total semester hours of credit for the Honours is 126, compared to 120 hours for the BSc Major. The research component is to be completed within the BSc program and would normally require one summer (four months) preceding the graduating year. Evaluation of the research data and writing of the thesis would normally be done during the fall and/or spring session in Biology 490: Advanced Research and Thesis.

COURSE REQUIREMENTS OF THE HONOURS PROGRAM

The normal University requirements must be met in addition to the following:

	Semester Hours of Credit
1. Biology-core courses	
Biology 111-112	6
Biology 202, 204, 206	9
Biology 221	3
Biology 222	3
Biology 223	3
Biology 326	3
Total biology-core	27
2. Biology Electives	
At 200 level or above	15
At 400 level	6
Total biology elective	21
3. Biology 490	12
Total	12
4. Science core requirements	
Mathematics 112 or Mathematics 151-152	3 or 6
Mathematics 221	3
Chemistry 111-112, Chemistry 241-242 or	
Chemistry 243, 351-352	15 or 18
Physics 111-122 (or 111-112)	6
Total	27, 30 or 33
5. Other Electives	33, 36 or 39
NOTE: Honours students are advised to take a course (or courses) in a second language and advanced statistics and/or experimental design and analysis as part of their electives.	

TOTAL SEMESTER HOURS 126

ENTRANCE REQUIREMENTS

For admission to the Honours program, students must have a minimum average of 70% in all previous courses; normally the Department expects high second-class standing or first-class standing in previous Biology courses. Permission of the Department is also required and is contingent on the student finding a major advisor, on being assigned an advisory committee, on acceptance of the research project by the Biology Department, and on general acceptability. Students interested in doing Honours should consult with the Department Chair as early as possible and apply to the program no later than 31

March of the student's third year.

PERFORMANCE

To graduate with a BSc Honours in Biology, students must complete 126 semester hours of credit which includes 12 semester hours of credit for the research and thesis, attain a minimum average of 75% in all Biology courses combined, and achieve a minimum overall average of 70% in all courses submitted for the degree. Students failing to meet these requirements may transfer their program to the BSc Biology Program or to other degree programs.

Note: Detailed information to students on the Honours Program is available from the Department.

REQUIREMENTS FOR MINOR IN BIOLOGY

To qualify for a minor, students must complete a total of 21 semester hours of credit in Biology, 15 semester hours of which are required courses.

The requirements for a minor in Biology are:

	Semester Hours of Credit
1. Biology core requirements	
Biology 111-112	6
Biology 202	3
Biology 204	3
One of Biology 206, 221, 222, or 223	3
2. Biology electives at 200 level or above	6
Total Semester Hours	21

NOTES REGARDING 100-LEVEL BIOLOGY COURSES

Biology 101 is a course designed for non-science students who will not be taking advanced courses in Biology and will NOT be accepted for credit in the Biology Majors or Honours programs.

Although Biology 102 is a course designed PRIMARILY for non-science students, who will not be taking advanced courses in Biology, it WILL be accepted for credit as an elective in the Biology Majors and Honours programs. Credit will not be allowed for Biology 102 if completed after Biology 121.

Biology 111-112 are introductory courses required for, but not restricted to, Biology Majors and Honours. A combine average of at least 60% is a prerequisite for all Biology courses above the 100 level. However, this course prerequisite may also be met by the successful completion of a qualifying examination to be offered each year on the first Tuesday after Labour Day. This examination, which shall cover material from both Biology 111 and 112 is open to those who have passing grades for both Biology 111 and 112, but who do not have a combined average of at least 60%. To be admitted to Biology courses above the 100 level, students must achieve a score of 65% on the qualifying examination. The score on the qualifying exam will not replace those attained in Biology 111 and 112, nor shall it be factored into any calculation of grades for graduation, scholarships or other purposes. This course prerequisite may also be waived with the permission of the Chair for individual courses. This 60% combined average regulation does not apply to students who have received credit for Biology 110 prior to the 1996-1997 academic year.

Biology 121-122 have been designed for the Nursing Program

and the Department of Family and Nutritional Sciences. Biology 102 and 121 are not to be taken concurrently. Credit will be allowed for the combination of Biology 101 and 121-122.

101-102 ENVIRONMENTAL AND HUMAN BIOLOGY

These courses are designed primarily for non-science students who will not be taking advanced courses in Biology. Biology 101 is **NOT** accepted for credit in the Biology majors and honours program. Biology 102 will be accepted for credit as an elective in the majors and honours program.

BIOLOGY COURSES

101 ENVIRONMENTAL BIOLOGY

This course considers environmental problems from a biological perspective. Human ecology, populations, pollution, resource use and other topics are discussed critically. Lectures and field trips to the equivalent of six hours a week

102 HUMAN BIOLOGY

An introductory course dealing with the structure and function of the human body. Course topics will include discussions on human sexuality, sexually transmitted diseases, human development, genetic disorders, integumentary, musculo-skeletal, digestive, respiratory, excretory, circulatory and nervous system design and function.

Three hours lecture, two hours laboratory a week

111 INTRODUCTION TO ORGANISMS

This course provides an introduction to the science of Biology, with emphasis on organismal biology and unifying themes.

The course deals with evolution, the diversity of life, form and function, and ecology. Part of the laboratory component involves training in dissection techniques.

Three hours lecture, three hours laboratory a week

112 INTRODUCTION TO CELL AND MOLECULAR BIOLOGY

This is a continuation to the introduction to Biology, emphasizing life processes at the cellular and molecular level. The course covers the cellular nature of life, the physical basis of heredity, development and the chemistry of life. The course concludes with a synthesis of organismal and cell/molecular Biology.

Three hours lecture, three hours laboratory a week

121 HUMAN ANATOMY

This course deals with structural levels of organization of the human body and is designed for students in the Nursing program. The gross anatomy and histology of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, respiratory, lymphatic, digestive, urinary and reproductive system of humans is surveyed.

PREREQUISITE: Restricted to students in the Nursing program, except by permission of the instructor.

Three hours lecture, three hours laboratory a week

122 HUMAN PHYSIOLOGY

This course deals with the functioning of the human body, and is designed for students in the Nursing program and the Department of Family and Nutritional Sciences. The physiology of the integumentary, skeletal, muscular, nervous, endocrine, cardiovascular, lymphatic, respiratory, digestive, urinary and reproductive systems is surveyed.

PREREQUISITE: Restricted to students in the Nursing program or Department of Family and Nutritional Sciences, except by permission of the instructor.

Three hours lecture, three hours laboratory a week

202 PLANT DIVERSITY

A survey of bacteria, fungi, algae, and major plant groups (bryophytes, vascular cryptogams and seed plants) emphasizing morphology, life histories and evolutionary relationships.

PREREQUISITE: A combined average of at least 60% in Biology 111-112

Three hours lecture, three hours laboratory a week

204 (formerly 211/212) ANIMAL DIVERSITY

A survey of the major groups of animals, beginning with the sponges and ending with the mammals. Topics emphasize evolutionary relationships, development, structure and function, and ecology. Laboratory work includes the study of selected representatives from each of the major groups.

PREREQUISITE: A combined average of at least 60% in Biology 111-112

Three hours lecture, three hours laboratory a week

NOTE: Students that have successfully completed either 211 or 212 must contact the Department Chair regarding their course selection.

206 (formerly 332) MICROBIAL DIVERSITY

This course deals with basic microbial biology including discussion of industrial, ecological, environmental and medical microbiology, and other relevant topics. Laboratory sessions provide training in relevant microbiology techniques/approaches.

PREREQUISITE: A combined average of at least 60% in Biology 111-112 or permission of the instructor.

Three hours lecture, three hours laboratory a week

NOTE: Additional lab time may be required outside of scheduled laboratory periods.

221 CELL BIOLOGY

This course examines the structure and function of living cells. Topics include cellular membranes, respiration, the cytoskeleton and nucleus, cell division, intercellular interactions, the cell in its environment, differences between plant and animal cells, different cell types, and special topics in biomedical cell biology.

PREREQUISITE: A combined average of at least 60% in Biology 111-112

Three hours lecture, one hour tutorial a week

222 GENERAL ECOLOGY

This course introduces and discusses the basic themes and concepts of Ecology. Students examine the hierarchy of Ecology by investigating individual organisms, populations, communities, and ecosystems. Topics covered in the course include: natural selection, energy flow, nutrient cycling, population growth, plant/animal interactions and biodiversity. The course involves reading and discussion of current and classical literature in the field.

PREREQUISITE: A combined average of at least 60% in Biology 111-112.

Three hours lecture, one hour tutorial a week

223 (formerly 342) INTRODUCTORY GENETICS

The principles of genetics are considered in the context of the molecular biology of the gene, with attention to factors affecting gene expression. Topics covered are simple Mendelian inheritance, genes as part of biochemical pathways, inheritance of linked genes, probability and statistics, DNA replication and mutation, chromosomal structure and behaviour, and recombinant DNA. There is a strong emphasis on problem solving.

PREREQUISITE: A combined average of at least 60% in Biology 111-112

Three hours lecture, one hour tutorial a week

232 (formerly VBS 232) INTRODUCTORY PHARMACOLOGY

This course is an introduction to the discipline of pharmacology and the response of the human body to pharmacological agents used to manage disease and promote wellness. The principal objective is to provide an introduction to the pharmacokinetics and pharmacodynamics of each major class of drugs used in nursing practise. As well, clinical case studies are included so the student gains knowledge of nursing assessments of drug efficacy, side effects and drug interactions, special considerations for geriatric and pediatric patients, drugs used in public health, emergencies and over-the-counter medications, and non-pharmacological ways to manage or prevent disease.

PREREQUISITES: Biology 122 and Nursing 203

Three hours lecture and 1.5 hours tutorial a week

311 PLANTS AND PEOPLE

(offered in 2005 and alternate years)

This course surveys in detail the major current uses of plants, their history, morphology, and chemistry. Laboratory periods consist of demonstrations of plant structures and products derived from plant sources, practical exercises, and field trips.

PREREQUISITE: Biology 202

Three hours lecture, three hours laboratory a week

312 HISTORY OF BIOLOGY

This course surveys the major advances in the biological sciences from prehistory to modern times. Emphasis is placed on the effect which past ideas have had on the evolution of Biology.

PREREQUISITE: A combined average of at least 60% in Biology 111-112 or departmental permission

Three hours lecture and one hour discussion group a week

314 (formerly 201) PLANT COMMUNITY ECOLOGY

A study of algae, fungi and major plant groups such as bryophytes, vascular seedless and seed plants. Emphasis will be placed on identification of common species, plant taxonomy and ecology.

PREREQUISITE: Biology 222

Three hours lecture; three to four hours laboratory a week, some of which consist of field trips

323 GENETIC ANALYSIS

(offered in 2005 and alternate years)

The principles of genetics beyond the introductory levels and advances in genetics are considered in the context of practical laboratory investigation, on-line genetic data resources and analytical tools. Laboratory work will be conducted with fruit flies (*Drosophila*) and yeast (*Saccharomyces*), and will include molecular biological techniques. In addition, new advances in genetics will be discussed.

PREREQUISITE: Biology 223

Three hours lecture, three hours laboratory a week

324 COMPARATIVE VERTEBRATE ANATOMY

This course builds upon some of the material presented in Biology 204, providing students with a much more detailed look at the structure and function of various organs and organ systems of the vertebrate body. Dissections and display material are used during laboratories to allow students to compare and contrast these systems in representative vertebrates.

PREREQUISITE: Biology 204

Three hours lecture, three hours laboratory a week

326 GENERAL PHYSIOLOGY

This course introduces students to basic themes and concepts in physiology. Students explore mechanisms underlying regulatory processes in cells, and the ways plants and animals function as organisms. Topics include feedback systems, membrane potentials, systems in animals, photosynthesis, plant hormones, and plant transport.

PREREQUISITES: Biology 202, 204, 206, and 221

Three hours lecture, three hours laboratory a week

331 COMMUNICATIONS IN BIOLOGY

This course is an introduction to the basic principles of scientific communication, as it is expressed in the Biological Sciences. Lectures and assignments focus on the analysis, interpretation, and presentation of biological data, and on the preparation of scientific papers and reports. Students critically evaluate papers in their areas of interest, and gain experience in presenting scientific information to their peers (both orally and as scientific posters)

PREREQUISITES: At least Biology 111 and 112, and 6 semester hours of core Biology courses

Three hours lecture, two hours laboratory a week

335 ANIMAL BEHAVIOUR

This course explores various aspects of animal behaviour, primarily from an evolutionary perspective. Topics covered include the development and expression of behaviour, animal communication, predator-prey interactions, reproductive and parental strategies of males and females, and the application of an evolutionary approach to the study of human behaviour. Laboratories focus on how behavioural data are collected and interpreted.

PREREQUISITES: Biology 204, 222

Three hours lecture, three hours laboratory a week

341 (formerly 482) THE BIOLOGY OF INSECTS

(offered in 2005 and alternate years)

This course is an introduction to entomology. Topics include insect classification, anatomy, development, ecology and behaviour, and the importance of insects to people. Laboratory sessions focus on insect morphology and taxonomy.

PREREQUISITE: Biology 204

Three hours lecture, three hours laboratory a week

351 (formerly 421) ORNITHOLOGY

(offered in 2004 and alternate years)

A study of avian biology with particular emphasis on identification, behaviour, breeding Biology and ecology of birds. Laboratory periods will include field trips to major habitats.

PREREQUISITE: A combined average of at least 60% in Biology 111-112

Two hours lecture, four hours laboratory a week

NOTE: With the permission of the instructor and the Chair, the prerequisite for this course may be waived for students not majoring in Biology.

352 BIOPHYSICS

see Physics 332

366 PLANT-ANIMAL INTERACTIONS

This course examines evolutionary and ecological themes in plant-animal interactions by presenting some of the complex interactions that have arisen between plants and animals. The course will consist of lectures on various topics such as plant communities as animal habitats, pollination and seed dispersal by animal, ant and plant interactions, insect herbivore and host-plant interactions, seed predation, and carnivorous plants

and insects, and the pivotal role of plant-animal interactions in conservation biology. The course requires presentations and discussions of the primary literature, and includes some laboratory and field projects.

PREREQUISITES: Biology 202, 204, and 222

Three hours lecture, three hours laboratory every other week

371 (formerly 451) MAMMALOLOGY

This course is an introduction to the study of the animals that constitute the class Mammalia. Topics include taxonomic classification, zoogeography, reproductive strategies, ecology, behaviour, and economic considerations. Laboratory exercises include several projects involving field work with the mammalian fauna of Prince Edward Island.

PREREQUISITES: Biology 204 and 222

Three hours lecture, three hours laboratory a week

375 MICROBIAL DISEASES AND PATHOGENESIS

The basic principles of microbiology, biochemistry, molecular biology/genetics are used to discuss aspects of microbial diseases with a particular focus on the specific mechanisms whereby disease occurs. Topics include drug-resistance development, resistance mechanisms, issues in infection prevention and control, and emerging pathogens.

PREREQUISITE: Biology 206 or equivalent or permission of the instructor

382 EVOLUTION

Evolution is the central tenet of modern Biology. This course examines classic and contemporary ideas in evolutionary theory.

PREREQUISITE: A combined average of at least 60% in Biology III-III2

Three hours lecture and a ninety minute tutorial a week

NOTE: Biology 342, taken previously or concurrently, is recommended.

391 MARINE BIOLOGY

An introduction to the principles of Marine Biology emphasizing marine environments and organisms of P.E.I. and the Eastern Atlantic region. Laboratory periods will involve field and laboratory studies.

PREREQUISITES: Biology 201-202, 204

Three hours lecture, three hours laboratory a week

401 HUMAN PHYSIOLOGY & PATHOPHYSIOLOGY (offered in 2005 and alternate years)

This course is an overview of the function of human organ systems emphasizing the effects of disease states. It is designed for students interested in human health professions. The course is divided into four topics: (1) nervous & endocrine systems (2) cardio-pulmonary, blood & exercise physiology, (3) fluid and weight balance, (4) pregnancy and development. Laboratories demonstrate physiological principles or problem-based case studies.

PREREQUISITES: Biology 221 or 121 or permission of instructor

Three hours lecture, three hours laboratory a week

402 ANIMAL PHYSIOLOGY

(offered in 2006 and alternate years)

A study of the organ systems of animals emphasizing the functional relationships, regulatory mechanisms and interactions within animals. Laboratory exercises will demonstrate functional principles using a variety of techniques and electronic equipment.

PREREQUISITES: Biology 204, and 221. Chemistry 352 must be taken at least concurrently.

Three hours lecture, three hours laboratory a week

403 DEVELOPMENTAL BIOLOGY

This course provides a comprehensive overview of the main processes involved during the development of an organism. The primary focus of the course is the shared genetic and biochemical events that underlie the development of all organisms. Model systems are studied in order to highlight general principles of ontogeny. These principles are then examined in the development of other organisms, including humans. During laboratories students are exposed to basic techniques in modern developmental chemistry.

PREREQUISITE: Biology 221

Three hours lecture, three hours laboratory a week

411-412 WILDLIFE BIOLOGY

Normally students should be enrolled in, or have taken Biology 201. If students elect to take both Biology 411 and 412 they should be taken in sequence.

411 PRINCIPLES OF WILDLIFE BIOLOGY

An introduction to the principles of wildlife Biology. Laboratory periods will involve field work with flora and fauna of the major terrestrial and aquatic communities on P.E.I.

PREREQUISITE: Biology 201 or Biology 314 or permission of the Instructor.

Two hours lecture, four hours laboratory a week

412 TECHNIQUES AND PROBLEMS OF WILDLIFE BIOLOGY

Various wildlife techniques and local wildlife problems will be stressed. Each student will be required to undertake a major project involving field and laboratory research.

PREREQUISITE: Biology 201 or Biology 314 or permission of the Instructor.

Two hours lecture, four hours laboratory a week

423 LAND USE ON PRINCE EDWARD ISLAND

(offered in 2005 and alternate years)

This course deals with historic and current land use issues on Prince Edward Island. Topics include: farming, fishing, forestry, recreation and tourism, aquaculture, development, and efforts to protect the land base. Laboratory periods may involve field trips outside of regularly scheduled hours.

PREREQUISITE: Biology 222 or permission of the instructor

Three hours lecture, three hours laboratory a week

431 DEVELOPMENTAL PLANT MORPHOLOGY

(offered in 2006 and alternate years)

This course provides a general overview of plant development. Emphasis is placed on early stages of initiation and development of floral and vegetative structures (meristems), and on current problems and interpretations related to development. Most of the laboratory periods are devoted to student "mini" research projects.

PREREQUISITE: Biology 202

Three hours lecture, three hours laboratory a week

440 SENIOR UNDERGRADUATE RESEARCH PROJECT

This course allows senior students majoring in Biology to carry out a full-year research project. The project may be lab or field based, or some combination of the two. Students work under the supervision of a faculty member and write a thesis describing the work.

PREREQUISITE: Students should be at least third year Biology Majors and have completed their second year core Biology courses. Entry to this course is contingent upon the student finding a departmental faculty member willing to supervise the research and permission of the department, no later than March 31 of their third year.

Six semester hours of credit

Credit in this course will be given only when both semesters have been completed successfully.

441 DIRECTED STUDIES IN BIOLOGY

Available to third year Biology Majors, preferably those who have completed their second year Biology courses. Entry to the course, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department and the Dean of Science. (See Academic Regulation 9 for Regulations Governing Directed Studies)

Three semester hours of credit

442 SPECIAL TOPICS IN BIOLOGY

An upper year course typically designed to reflect an issue of current interest in Biology. Available to third and fourth year Biology Majors, preferably those who have completed their second year core Biology courses. The conditions under which the course may be offered will be subject to the approval of the Chair of the Department and the Dean of Science.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 472)

Three semester hours of credit

444 INVESTIGATIVE PLANT ANATOMY

(offered in 2004 and alternate years)

In this course students examine the simple and complex tissues of plants throughout their life cycles. Basic and advanced concepts pertaining to microscopy are taught. Students prepare material for both light and scanning electron microscopy. Innovative techniques in microscopy and preparation of photographic plates suitable for publication are also covered.

PREREQUISITE: Biology 202

Two hours lecture, four hours laboratory a week

452 (formerly 301) BIOGEOGRAPHY AND MACROECOLOGY

This course examines the patterns of distribution, species richness, abundance of organisms in space and time with emphasis on animal communities, as well as ecology of insular biotas.

Historical, ecological, geographical, and anthropological factors affecting these patterns are examined.

PREREQUISITES: Biology 222 and Biology 314

Three hours lecture, three hours laboratory a week

454 (formerly 302) BIODIVERSITY AND CONSERVATION BIOLOGY

This course examines fundamental concepts, ideas, and approaches used in conservation biology. Different philosophies and perspectives on setting priorities for preserving and managing biodiversity are also discussed.

PREREQUISITE: Biology 222

Three hours lecture, three hours laboratory a week

462 LIMNOLOGY (FRESHWATER ECOSYSTEMS)

(offered in 2006 and alternate years)

The focus of this course is freshwater habitats, particularly those found on Prince Edward Island. Study concentrates on the physical, chemical, and biological characteristics of fresh waters, classification of freshwater habitats, and applied limnology. The laboratory/field component includes an introduc-

tion to water analysis techniques and field equipment, field water analysis of three habitats (river, pond and wetland), the collection and analysis of biological samples, and the physical properties of water.

PREREQUISITES: Biology 201 and 204

Three hours lecture, three hours laboratory a week

471 MOLECULAR BIOTECHNOLOGY

This course examines principles of gene manipulation, and the application of molecular biology in biotechnology. Recent developments in medicine, agriculture, industry and basic research are considered. Emphasis is placed on reviewing current literature in the field.

PREREQUISITE: Biology 223

Three hours lecture a week

475 IMMUNOLOGY

This course presents the basic principles of immunology, its role and impact on specific mechanisms pertaining to human health. Topics include the immune system, antigen-antibody reactions, T & B cell biology and chemistry, cytokines, complement system, hypersensitivity, immuno-physiology, cell mediated immunity, vaccines, AIDS and other immunodeficiencies, autoimmunity, transplant immunology and cancer.

PREREQUISITE: Biology 206 or equivalent or permission of the instructor.

Three hours lecture a week

490 ADVANCED RESEARCH AND THESIS

This is a 12 semester-hour course required of all Honours students. It is intended to provide the student with an opportunity to design, carry out, evaluate and write up a research project in an approved scientific fashion, while working under the direction of a chief advisor assisted by an advisory committee. Normally the research will be done during the summer session preceding the student's graduating year, and the thesis written during the final academic year. The objective of this course is to provide research experience for the student who intends to take up further studies at a post-graduate level or for the student who is planning on entering a career where research experience in Biology or related areas would be an asset.

PREREQUISITE: Acceptance to the Honours Program in Biology

School of Business Administration

www.upei.ca/business

Business Faculty

Roberta M. MacDonald, Associate Professor, Dean

J. Ronald Collins, Professor

Sean M. Hennessey, Professor

Gary Evans, Associate Professor

Donald G. MacCormac, Associate Professor

Robert L. O'Rourke, Associate Professor

Donald M. Wagner, Associate Professor

Timothy E. Carroll, Assistant Professor

Mike Cassidy, Assistant Professor

Albert M. Ferris, Assistant Professor

Debbie Good, Assistant Professor

Mark Hemphill, Assistant Professor

Melissa MacEachern, Assistant Professor

The School of Business Administration is committed to providing students with a high quality, integrated business edu-

cation in a personalized learning environment. It is uniquely structured to provide the broad-based, cross-functional business education required for leaders of business, government, and not-for-profit organizations. The School's personalized learning environment emphasizes small classes and opportunities for extensive interaction between students, faculty and practitioners.

The School of Business Administration holds a unique position within the province's education system. As the only university school of business, it is committed to intellectual leadership, and to excellence in developing new knowledge and conveying that knowledge to its students and to the public. In order to attract, develop and retain students, faculty and staff, the School recognizes that it must sustain an intellectually stimulating environment.

The School views its students not as customers, but rather as partners in the development of a high quality business education. Graduates are expected to have developed competency in integrating the core functional business disciplines; ethical, social, historical and global awareness; critical thinking and problem solving; quantitative analysis; communication skills and leadership; team work as well as personal initiative; technological application in business; and business research.

The degree program in the School of Business Administration is designed to fulfill this mission and to provide the educational breadth and depth needed by tomorrow's business leaders.

THE BACHELOR OF BUSINESS ADMINISTRATION DEGREE

The Bachelor of Business Administration degree (BBA) is a four-year degree consisting of one hundred and twenty semester hours. The program is divided into two phases with the first of these, normally taken during the first two years, designed to allow the student to explore a number of university subject areas and at the same time take introductory courses in Business Administration and related areas. The second phase (third and fourth years) is designed to further develop the student's knowledge through a concentration in Business Administration and related subject areas. Students must obtain at least 60 percent in ten of the business courses required in the second phase in order to qualify for the degree of Bachelor of Business Administration.

FIRST PHASE

The requirements for the degree are outlined as follows:

Year 1

Math 111 and 112
English 101 and an English elective
Business 101
Economics 101 and 102
Information Technology 111
Two non-Business electives

Year 2

Economics (one course from 203, 204, 251, or 291)
Accounting 201 and 202
Business 241
Business 251 and 252
Business 271
English 381
Two non-Business electives

NOTE: A formal review of each student's academic perfor-

mance is conducted at the end of second year. During the first two years, students must have demonstrated the academic standards required to be admitted into third year.

SECOND PHASE

Students must complete 20 courses in this phase. A grade of at least 60 percent must be obtained in at least ten of the Business Administration courses required in this phase. BUSINESS ADMINISTRATION 300 AND 400 LEVELS MAY NOT BE TAKEN BY STUDENTS WHO HAVE NOT BEEN ADMITTED TO THE SECOND PHASE UNLESS PRIOR PERMISSION HAS BEEN OBTAINED. Normally the second phase will be undertaken as follows:

Required Courses —Year 3

Business 331 (Finance)(one course)
Business 341 (Marketing)(one course)
Business 351 (Operations Management)(one course)
*Business 371 (Entrepreneurship)(one course)
*Business 332 (Integrated Cases in Finance)(one course)
*Business 342 (Integrated Cases in Marketing)(one course)
One Business elective(one course)
Three non-Business electives(three courses)

* may be taken in 3rd or 4th year

Required Courses —Year 4

Business 491 (Strategic Management)(one course)
Business 495 (Business Research I)(one course)
Two Business Management Context electives from
Bus. 401, 485, 486, 487, 488 and Phil. 404)(two courses)
Four Business electives(four courses)
Two non-Business electives(two courses)

NOTES:

- Accounting courses are considered to be Business electives.
- Due to enrollment limitations, certain Business electives will normally be available to fourth year students only. Third year students should check with the Dean's office prior to selecting their electives.
- Students have two free electives in their program which can be used as Business, Accounting or non-Business electives.
- Due to student enrollments and faculty availability, all courses may not be offered each year. Students should consult the current timetable before registration.
- Students are free to choose their own non-Business electives; however, they may wish to consult with faculty. Students with a strong quantitative interest should consider additional work in Mathematics or Computer Science.
- The Management Context electives deal with subjects such as law, ethics, international business, environmental issues, and business history. They are intended to give students a better appreciation of the social, political, cultural, and historical context within which contemporary business is practiced.

HONOURS IN BUSINESS ADMINISTRATION

An Honours concentration in Business Administration provides an opportunity for BBA students to pursue advanced studies in Business. It is available to students with a strong academic background who intend to continue studies in Business

at the postgraduate level, or to students who intend to pursue a career where research experience would be of value.

ADMISSION

For admission to the Honours program, students must have a minimum average of 75% in all previous courses. Permission of the School is required and is contingent on the student finding a faculty supervisor. Students interested in pursuing the Honours program should seek admission as early as possible, not later than the end of the third year.

COURSE REQUIREMENTS

A total of 126 semester hours of credit is required for the BBA Honours. In addition to the requirements of the regular BBA, Honours students must complete the Honours Thesis 510 (six semester hours). This thesis would normally be completed in the semester following Business Research 495. The Honours Thesis will be reviewed by a committee of three faculty members, including the supervisor. An oral examination conducted by the committee will also be included in the evaluation process. A minimum average of 75% must be maintained to remain in the Honours program.

ACCELERATED BACHELOR OF BUSINESS PROGRAM

Year 1

Math 111 and 112
English 101
One English Elective
Business 241
Business 251
Business 252
Business 271
Economics 101 and 102

Year 2

English 381
Business 331
Business 332
Business 341
Business 342
Business 351
One of Economics 203/204/251/291
One Business Elective
Two Non-Business Electives

Year 3

Business 371
Business 491
Business 495
One Business Elective
Two Management Context
Two Free Electives
Two Non-Business Electives

NOTES:

1. Students seeking admission to this program should have a two year diploma from Holland College (or similar college) in Retail Management, Business and/or Accounting. They must satisfy general UPEI and School of Business Administration entrance requirements. Applicants must demonstrate a minimum average of 70% in their college program.
2. Students in the Retail or Business Program will also be required to take Accounting 201/202 if they have not completed the equivalent at Holland College or an equivalent community college program.

3. Students in this program are eligible for the Business Co-op option.

4. Students will be academically reviewed at the end of first year and must meet the 70% averages needed in both of the required business and required non-business courses. This is the same as the regular BBA review process.

ACCOUNTING AND BUSINESS ADMINISTRATION

The School of Business Administration maintains a close liaison with the Institute of Chartered Accountants, the Society of Management Accountants, and the Certified General Accountants' Association; and students who satisfactorily complete designated university courses are given broad exemptions by these bodies. Students interested in pursuing a professional accounting designation should contact the Dean's office prior to enrolling in their third year. These students should not enroll in Business Administration electives other than those which are designated as accounting exemptions. Students not pursuing a BBA degree may register for the Certificate in Accounting (see below).

THE BACHELOR OF BUSINESS IN TOURISM AND HOSPITALITY

DEGREE COMPONENTS

For this two-year post-diploma degree, students must fulfil the following courses:

Required Courses—Year 1 Post-Diploma

	Semester hours of credit
Accounting 201 (Introductory Accounting - Part I)	3
Accounting 202 (Introductory Accounting - Part II)	3
Business 252 (Management Science II)	3
Business 271 (Organizational Behaviour)	3
Business 351 (Operations Management)	3
English 101	
One Business elective (see note #7)	3
Three non-Business electives (see note #8)	9
Total	30

Required Courses—Year 2 Post-Diploma

	Semester hours of credit
Business 331 (Corporate Finance)	3
Business 332 (Integrated Cases in Finance)	3
Business 341 (Marketing)	3
Business 342 (Integrated Cases in Marketing)	3
Business 371 (Entrepreneurship and New Ventures)	3
Business 491 (Strategic Management)	3
English elective (see note #6)	3
One Management Context Elective	3
(From Business 401, 485, 486, 487, 488, Phil. 404)	
Two Business electives	6
Total	30

NOTES:

1. Accounting courses are considered to be Business electives.
2. Due to enrolment limitations, certain Business electives will normally be available to Year 2 Post-Diploma students only. Year 1 Post-Diploma Students should check with the Dean's Office prior to selecting their electives.
3. Students may substitute one three-semester hour Business Administration elective for a non-Business Administration

elective OR substitute up to two three semester-hour non-Business Administration electives for Business Administration Electives.

4. Due to student enrolments and faculty availability, all courses may not be offered each year. Students should consult the current timetable before registration.
5. Students are free to choose their own non-Business electives; however, students may wish to consult with faculty. Students with strong quantitative interest should consider additional work in Mathematics or Computer Science.
6. English 381 is highly recommended as the English elective and requires the prerequisites of English 101 and one other English course or permission of the Chair of the English Department.
7. Tourism Management is recommended for one of the Business electives.
8. University 101 is highly recommended for one of the non-Business electives in first year.
9. Students are eligible to apply to the Cooperative Education program upon entrance to the University.
10. The required courses for the Business degree in years one and two are not available as business electives for the BBTH degree.

CO-OPERATIVE EDUCATION PROGRAM

Students in Business Administration and Tourism and Hospitality may apply for admission to the optional Co-operative Education Program. This innovative program emphasizes a co-operative approach to university education by integrating academic classroom studies with practical work experiences outside the formal university environment. The principle upon which this concept is based is that learning and individual development are greatly enhanced when the concepts studied in the classroom are periodically applied, tested and observed by the students in meaningful work situations.

A "Co-operative Education" notation is entered on the parchment and academic transcripts of undergraduate students who successfully complete the Degree and Co-operative Education requirements.

ADMISSION REQUIREMENTS

In the Business Administration program, students may apply and be considered for admission to Co-operative Education after completion of the first or second year in the Business Administration Program. The normal prerequisite for admission is an average of 70% in the first year of the BBA program. In the Tourism and Hospitality Program, students may apply upon entrance to the University. Students will be admitted to the program on the basis of their interest, aptitude and assessed ability, as determined through an interview, to combine successfully the academic requirements with the special work term requirements of the Co-op Program. Students not admitted may reapply at the next opportunity.

CONTINUANCE REQUIREMENTS

Once admitted to the program, students must continue in full-time enrollment between work terms. An academic review of students' performance will take place at the end of each semester.

Students are required to maintain a median grade of 65% in all required Business courses and Business electives. Students who fail to meet these standards or who fail a course(s) will be placed "on notice" for the next academic semester. Students who do not meet these standards for two consecutive academic semesters may be dismissed from the program.

Co-op students must complete all of the regular requirements for a Bachelor of Business Administration degree or Bachelor of Business in Tourism and Hospitality degree. Cooperative students are required to attend any special seminars or workshops which deal with employment orientation and the application of formal academic study to work experiences.

In addition to the above requirements, students must officially register for and successfully complete three work terms.

WORK TERMS

The University will make every effort to locate work term positions for Co-op students in academically related areas of employment, but cannot guarantee placements. Employment settings may also be identified by Co-operative students, but these require the approval of the Co-operative Education office.

Satisfactory fulfilment of Business Co-op work terms requires:

1. The completion of three terms of work experience in academically-related, paid employment situations of 12 to 16 weeks duration. Under certain circumstances, and with approval, students may be permitted to satisfy their work term requirements in an unpaid position. Self-employment is considered;
2. A satisfactory employer evaluation for each co-op work term (self-employed students will be evaluated by an individual selected by the School);
3. The satisfactory completion of a written report at the end of each work term;
4. The completion of the program on an academic term;
5. Fulfilment of any other requirements specified by the School of Business, such as the participation in seminars and workshops. Students have the right of appeal under Academic Regulation 12 (www.upei.ca/registrar/general_regs.pdf);
6. Students are permitted to take one academic course each semester while on a work term.

WITHDRAWAL CONDITIONS

Students may be required to withdraw from the Co-op Program if:

1. They are dismissed from, quit, or fail to obtain or accept an appropriate and approved Co-op work term position;
2. They fail to submit or successfully complete a work term report;
3. They do not maintain the required course grade average necessary for continuance in Cooperative Education;
4. In the judgement of the University, they are no longer suited for the particular requirements of the Cooperative Education Program.

REGISTRATION

Students are required to register for each work term at the Registrar's Office, according to normal registration procedures.

FEES

Students pay for their academic courses as they are taken. Students accepted to the Cooperative Education Program are required to pay regular student fees and a Cooperative Education Program Fee (see Calendar section on fees www.upei.ca/registrar/fees.pdf)

MINOR IN BUSINESS ADMINISTRATION

The Minor in Business Administration is designed for full-time students in Faculties other than Business Administration. The Minor consists of at least 21 semester hours.

The courses required to qualify for the Minor are as follows:

Business 101—Introduction to Business
Accounting 201—Introduction to Accounting, Part I
Business 241—Management Information Systems
Business 252—Management Science, Part 2
Business 271—Organizational Behaviour

Plus two of the following business courses:

Accounting 202—Introduction to Accounting, Part 2
Business 251—Management Science, Part I
Business 361—Human Resource Management
Business 372—Industrial Relations
Business 401—Business Law
Business 461—Communications
Business 471—Organizational Theory and Change

To qualify for the minor, students are required to have an overall average of 70% in all of the courses taken.

MINOR IN BUSINESS INFORMATION TECHNOLOGY

The Minor program in Information Technology is designed to allow students to combine knowledge in business with specific competencies in information technology. This program is available to all students registered in the Business Administration program.

Students are required to take each of the following Business courses:

Business 241—Management Information Systems
Business 442—Networking, Knowledge & Digital Age
Business 475—Electronic Commerce

In addition, a student pursuing the Minor program in Business Information Technology completes 15 semester hours of information technology coursework as outlined here:

Students must select five of the following (*recommended):

IT 111*—Introduction to Microcomputers
IT 121*—Introduction to Computer Programming
IT 205*—Web Application Development
IT 306*—Advanced Web Development and Programming
IT 382*—Systems Analysis and Design
IT 271*—Applied Databases
IT 261—Representation and Storage of Information

IT 342—Networks and Distributed Systems**CERTIFICATE IN BUSINESS**

The Business Certificate is intended for mature, part-time students who satisfy the entrance requirements of the Business Program. Generally, students must have successfully completed Grade 12 in a University Preparatory program with an overall average of at least 65% in English, Mathematics, any two Social Studies, Languages, or Sciences, and one other academic course.

Applicants with the appropriate work experience may also be accepted into the program. All students seeking admission to the Certificate Program must obtain approval from the School of Business Administration.

The objective of this certificate program is to provide students with a sampling of courses in the areas of business. For those students interested, the certificate program also provides many of the foundation courses required to enter the BBA degree program.

The Business Certificate is a credit program comprised of eight three-semester hour courses: five required courses and three elective courses. The courses are generally offered during the normal academic year, but some may be offered during summer school.

Please note: students enrolled in the Bachelors degree in Business Administration and the Bachelor of Business in Tourism & Hospitality do not qualify for the certificate.

The program consists of two phases. In the first phase students are required to take the following courses:

First Phase

Business 101—Introduction to Business
Accounting 201—Introduction to Accounting, Part I
Business 241—Management Information Systems
Business 252—Management Science, Part 2
Business 271—Organizational Behaviour

At the end of the first phase, students will be reviewed to determine whether they should enter the second phase of the certificate. To enter the second phase, students are required to have an overall average of 70% in the five courses taken in the first phase.

In the second phase, students must take three courses from the following list. Students must ensure that they have the necessary prerequisites to take courses at the 300 and 400 levels. Other courses may be added to this list; students should check with the Dean's office when deciding on which courses to take.

Second Phase

(Take three courses from the following list)
Accounting 202—Introduction to Accounting, Part 2
Business 251—Management Science, Part 1
Business 361—Human Resource Management
Business 372—Industrial Relations
Business 401—Business Law
Business 461—Communications
Business 471—Organizational Theory and Change
Economics 102—Introductory Macroeconomics
English 101—English Composition

To be eligible to receive the Certificate, students must obtain an overall average of 70% in all of the courses taken.

CERTIFICATE IN ACCOUNTING

The Accounting Certificate is intended for part-time and full-time students from any Faculty (excluding full-time BBA-Accounting) who satisfy the entrance requirements of the Business Program. Generally, students must have successfully completed Grade 12 in a University Preparatory program with an overall average of at least 65% in English, Mathematics, any two Social Studies, Languages, or Sciences, and one other academic course.

Applicants with the appropriate work experience may also be accepted into the program. All students seeking admission to the Certificate Program must obtain approval from the School of Business Administration.

The Certificate provides foundation courses for various professional designations; for example: CA, CGA, and CMA. It is a credit program comprised of ten (three-semester hour) courses - six required courses and four elective courses. The courses are generally offered during the normal academic year, but some may be offered during summer school.

The program consists of two phases. In the first phase students are required to take the following courses:

First Phase

Accounting 201—Introduction to Accounting, Part 1
Accounting 202—Introduction to Accounting, Part 2
Business 241—Management Information Systems
Business 331—Managerial Finance

At the end of the first phase, students will be reviewed to determine whether they should enter the second phase of the certificate. To enter the second phase, students are required to have an overall average of 70% in the four courses taken in the first phase.

Second Phase

(Take the first two courses plus any four (4) of the remaining courses)

Accounting 301—Intermediate Accounting, Part 1 (Required)
Accounting 302—Intermediate Accounting, Part 2 (Required)
Accounting 321—Managerial Accounting
Accounting 322—Accounting Theory
Accounting 401—Advanced Financial Accounting, Part 1
Accounting 402—Advanced Financial
Accounting 411—Cost Accounting, Part 1
Accounting 412—Cost Accounting, Part 2
Accounting 415—Auditing
Business 332—Cases in Managerial Finance
English 381—Professional Writing

It is recommended that students planning to seek a professional designation take Accounting 411 and 412 and do not take Accounting 321.

To be eligible to receive the Certificate, students must obtain a minimum average of 70% in all of the courses taken.

CERTIFICATE IN FINANCE & ECONOMICS

Students registered in the BBA program are eligible to apply for the Certificate in Finance and Economics. Normally, students will begin the Certificate in the second year of the program. The Certificate is based on 36 hours (12 courses) from the following lists:

Required Courses

Economics 204
Economics 251
Economics 291 or Economics 203
Economics 332
Economics 405 (Financial Economics - under development)
Economics 412
Business 432

Electives (any 5 courses)

Accounting

Accounting 301
Accounting 302
Accounting 321
Accounting 401
Accounting 402

Business

Business 352
Business 421
Business 466
Business 487

Economics

Economics 331
Economics 351
Economics 411

CERTIFICATE IN HUMAN RESOURCES MANAGEMENT

The University of Prince Edward Island and Holland College jointly offer this program of studies leading to a certificate in Human Resource Management. Human Resource Management (HRM) is the profession concerned with procuring, developing, maintaining, and utilizing an organization's human resources. Students may enroll on either a part-time or full-time basis.

PROGRAM COMPONENTS

The program includes three elements - knowledge/theory, skills building, and field placement.

1. KNOWLEDGE/THEORY

The following three University credit courses (9 semester hours) are required:

Business Administration 271—Organizational Behaviour
Business Administration 361—Human Resource Management
Business Administration 372—Industrial Relations

2. SKILLS BUILDING

Job-specific skills are developed through study and practice via individualized learning modules at Holland College. Students are required to demonstrate success in a minimum of 50 approved competencies.

3. FIELD PLACEMENT

Participants who do not have experience in Human Resource Management must obtain the equivalent of four weeks on-the-job experience in a human resources department.

SEQUENCING

Upon admission to the University and acceptance into the Program, candidates begin their studies by registering for the three University credit courses (9 semester hours). Following completion of these courses, students enroll at Holland College and complete the necessary skill modules. Concurrent or subsequent to fulfilling the course requirements, students without HRM experience work voluntarily in the personnel office of an organization to meet the field placement requirement.

FOR INFORMATION

For additional information and applications, please contact:

Co-ordinator
Human Resources Management Program
School of Business Administration
Telephone (902) 566-0564

For information on fees, see "Fees" section (www.upei.ca/registrar/fees.pdf).

ACCOUNTING COURSES

201 INTRODUCTORY ACCOUNTING—Part I

This course is concerned with a study of basic accounting concepts and principles, the application of these principles to business transactions and financial statements, and an introduction to balance sheet and income statement accounts. Basic bookkeeping techniques are also covered.

Three hours a week

202 INTRODUCTORY ACCOUNTING—Part II

This course deals with accounting for partnerships, corporate capital transactions, long-term liabilities, and cash flow information. Analysis of financial statements, an introduction to cost accounting concepts, and an introduction to computerized accounting are also covered.

PREREQUISITE: Accounting 201

Three hours a week

NOTE: 300 and 400 level courses are available to third and fourth year Business students only, unless written permission of the Dean of the School of Business is obtained.

301 INTERMEDIATE ACCOUNTING—Part I

This course introduces students to the accounting environment; the concepts and principles from which Generally Accepted Accounting Principles (GAAP) have grown; and revisits balance sheet items such as cash, accounts receivable, inventory, fixed assets, intangibles, short-term liabilities and equity accounts in more depth.

PREREQUISITE: Accounting 202

Three hours a week

302 INTERMEDIATE ACCOUNTING—Part II

This course covers more specialized topics such as long-term debt, investments, equity method, statement of changes in financial position, pensions, leases, income taxes, earnings per share, and accounting changes and error corrections.

PREREQUISITE: Accounting 301

Three hours a week

321 MANAGERIAL ACCOUNTING

The emphasis throughout this course is on the uses of accounting and other financial tools in the management of a business. Topics include inventory costing methods, cost allocation, cost behaviour, the contribution approach, pricing, and budgeting.

PREREQUISITE: Accounting 202

Three hours a week

NOTE: Students cannot receive credit for both Accounting 321 and 411. Students intending to take additional accounting courses must enroll in Accounting 301/302.

322 ACCOUNTING THEORY

This course provides a frame of reference for the student in the study of financial accounting and reporting, financial accounting principles and the theory of income and asset valuation.

PREREQUISITE: Accounting 301

Three hours a week

401 ADVANCED FINANCIAL ACCOUNTING—Part I

This course covers the study of mergers and acquisitions using the purchase method, and accounting for intercompany transactions and their elimination to arrive at consolidated financial statements.

PREREQUISITE: Accounting 302

Three hours a week

402 ADVANCED FINANCIAL ACCOUNTING—Part II

This course covers the accounting for partnerships, municipal governments, not-for-profit organizations, trusts and estates, and foreign exchange transactions.

PREREQUISITE: Accounting 302

Three hours a week

411 COST ACCOUNTING—Part I

This course is an introduction to cost accounting terms and purposes, CVP analysis, job-order costing, process costing, spoilage and waste, and cost allocation and accumulation.

PREREQUISITE: Accounting 302 or permission of the instructor

Three hours a week

NOTE: Students cannot receive credit for both Accounting 321 and 411. Students intending to take additional accounting courses must enroll in Accounting 301/302.

412 COST ACCOUNTING—Part II

This course is a continuation of Cost Accounting-- Part I.

Topics include standard costing, budgets, flexible budgets, variance analysis, pricing, relevance and decentralization, and transfer pricing.

PREREQUISITE: Accounting 411

Three hours a week

415 AUDITING

This course provides an introduction to the field of auditing. The course focuses on the audit of financial statements and includes the planning, conducting, and reporting phases of an audit. The auditor's professional, ethical, and legal responsibilities are also discussed.

PREREQUISITE: Accounting 302

Three hours a week

BUSINESS COURSES

101 INTRODUCTION TO BUSINESS

(Offered in both semesters)

An introduction to the functional areas of business. Topics to be covered include business organizations, marketing, finance, accounting, production, and personnel. Much emphasis will be placed on the development of both written and oral communication skills by requiring the student to submit numerous papers and to make a number of presentations. Case studies, library research, and a simulation game will be used to reinforce theoretical concepts discussed.

Three hours a week

241 (formerly Acct 312) MANAGEMENT INFORMATION SYSTEMS

This course provides an introduction and understanding of the value and uses of information systems for business operation and management decision-making. It concentrates on providing an understanding of the tools and basic terminology needed to understand information systems and their role in the business environment. Topics include information systems concepts, a review of information technology concepts, the fundamentals of e-business, planning and development of information systems, and the management of these systems.

PREREQUISITE: Information Technology Science 111

251 MANAGEMENT SCIENCE I

This course introduces students to the basics of management science as a tool in decision making. Students are introduced to a variety of quantitative techniques which have been developed to help solve selected business problems. Topics include the history of the origins of management science, data collection and analysis, probability concepts and applications, decision analysis, sampling distributions, and statistics. Case studies of business situations will be used throughout the course to create a link between quantitative solutions and managerial implications.

PREREQUISITE: Business 101, Math 111-112 or permission of the instructor

Three hours a week

252 MANAGEMENT SCIENCE II

This course continues the study of management science as a tool in decision making. Topics include forecasting, cost-volume-profit analysis, financial mathematics, linear programming applications, critical path analysis, inventory models, sensitivity analysis, and the role of computer simulations. Case studies of business situations will be used throughout the course to create a link between quantitative solutions and managerial implications.

PREREQUISITE: Business 251 or permission of the instructor

Three hours a week

271 ORGANIZATIONAL BEHAVIOUR

This course introduces students to the theory of organizational behaviour (the study of people at work in organizations). It examines the behaviours of individuals working alone or in teams, and how organizational characteristics, management practices and other factors influence this behaviour, and ultimately organizational effectiveness.

PREREQUISITE: Business 101

Three hours a week

NOTE: Students admitted to the Public Administration Program, Human Resources Management Program, or third or fourth year non-Business students, may be admitted to this course provided prior permission of the Dean has been obtained.

285 SPECIAL TOPICS

This is an introductory course in Business Administration on various topics for students who are interested in pursuing a Business degree. Lectures, readings and/or research will be undertaken in a variety of specialized areas. Topics will be approved by the faculty of the School of Business Administration.

293 WORK TERM I

This course is available only to co-op students. It involves identifying a problem/issue within the organization where the student successfully completes his/her first work term, and preparing a report that attempts to resolve this problem/issue. The report is evaluated for soundness of research methodology, content, presentation and integration of practical skills with classroom theory.

PREREQUISITE: Acceptance into co-op program

Semester hours of credit: 0

NOTE: 300 and 400 level courses are available to third and fourth year Business students only, unless written permission of the Dean of the School of Business is obtained.

331 MANAGERIAL FINANCE

Finance is concerned with the planning for, acquisition, and utilization of funds. The major topics discussed in this course include financial planning and forecasting, financial markets, sources of corporate financing, cost of capital, taxation issues, capital budgeting, and working capital management. This is a survey course with the objective of providing a broad overview of the various topics versus comprehensive coverage.

PREREQUISITE: Acceptance into third year Business, or permission of the instructor

Three hours a week

332 INTEGRATED CASES IN MANAGERIAL FINANCE

This course shows how basic finance concepts are applied and integrated with other business functions in contemporary business situations. The main focus of the course is the application of financial concepts to realistic business situations through the use of business cases. The principal areas covered will be financial analysis, financial forecasting, working capital management, cost of capital, and capital budgeting. The course considers the relationships between these topics and the other business functions. There is extensive use of case method teaching and students are expected to develop the written and oral communication skills necessary for problem solving in finance.

PREREQUISITE: Business 331

Three hours a week

341 MARKETING

This course presents the basic concepts of marketing. It introduces the marketing function, marketing systems and the marketing concept and then focuses on the development of marketing strategies—target markets, marketing mix—in a decision-making context.

PREREQUISITE: Acceptance into third year Business, or permission of the instructor

Three hours a week

342 INTEGRATED CASES IN MARKETING

This course shows how basic marketing concepts are applied and integrated with other business functions in contemporary business situations. The main focus of the course is on marketing management - planning, executing, and control-

ling marketing programs. Other topics include international marketing, marketing research, and the social responsibility of marketing managers. The course considers the relationships between these topics and the other business functions. There is extensive use of case method teaching and students are expected to develop the written and oral communication skills necessary for problem solving in marketing.

PREREQUISITE: Business 341

Three hours a week

351 OPERATIONS MANAGEMENT

An analysis of the nature and problems of production and operations management. Emphasis is given to a number of topics including location, layout, capacity planning, inventory management, scheduling, and distribution and product-mix programming. The intent is to take a broad view of the subject material as opposed to developing significant in-depth expertise in one or more areas.

PREREQUISITE: Acceptance into third year Business, or permission of the instructor

Three hours a week

352 OPERATIONS RESEARCH

This course will concentrate on a comprehensive study of the basic methodology and techniques of operations research; linear programming, queuing theory, Markov processes, dynamic programming, simulation and inventory models will be discussed. Students will be introduced to the important computer-based decision tools and will be expected to develop familiarity with micro-computer applications.

PREREQUISITE: Business 251/252

Three hours a week plus lab time

361 HUMAN RESOURCE MANAGEMENT

Human Resource Management (HRM) has become a strategic function for both private and public organizations. This course provides an introduction to the conceptual and practical aspects of HRM. It focuses on the personnel processes involved in the procurement, development and maintenance of human resources, such as staffing, training and compensation. The course also includes a critical examination of current personnel issues and trends.

Three hours a week

362 BUSINESS LOGISTICS

This course provides an introduction to the field of logistics. Major topics include transportation analysis, facility location, inventory and warehousing, storage and material handling analysis, and information management and cost control.

PREREQUISITE: Business 251/252

Three hours a week

371 ENTREPRENEURSHIP AND NEW VENTURES

This course is a study of the nature and background of entrepreneurship and the process involved from idea to opportunity to new business venture. Students are expected to study the environment in which entrepreneurship flourishes from both the perspective of the entrepreneur and of the economic system. The generation of ideas and opportunities is discussed, as well as the subsequent transformation of an opportunity into a formal business plan. The course concludes with an examination of the process of implementation of the business plan and the management of the new business which results. Extensive case analysis is required.

PREREQUISITE: Accounting 202, Business 331 and 341

Three hours a week

372 INDUSTRIAL RELATIONS

A study of the relationship between the labour force and management in the modern organization. Particular attention is given to the nature and role of trade unionism and collective bargaining. A basic objective of the course is to explore the conditions for effective industrial relations in the process of management.

Three hours a week

373 TOURISM MANAGEMENT

This course provides students with a comprehensive understanding of the management of the world's largest industry - tourism. The course examines key elements of the industry including its scope, the role of transportation, accommodations and attractions, culture and other travel motivators, tourism research and marketing, and the development and distribution of tourism products. The course assesses Prince Edward Island's experience with tourism and its impact on the local economy.

PREREQUISITE: Business 341 recommended or permission of the instructor

Three hours a week

385 SPECIAL TOPICS

An intermediate course in Business Administration on a variety of topics for students who have qualified for advanced Business Administration study. Lectures, readings and/or research will be undertaken in a variety of specialized areas. Topics will be approved by the faculty of the School of Business Administration.

393 WORK TERM II

See Business 293

PREREQUISITE: Business 293

Semester hours of credit: 1

401 BUSINESS LAW—Part I

This course offers students a basic introduction to the legal system and, in particular, the areas of tort, property, and contract law. A major portion of the course is devoted to the study of the legal implications of contractual issues in business endeavours. Legal cases are used, when applicable, to illustrate principles of law.

Three hours a week

402 BUSINESS LAW—Part II

This course expands on the basic concepts introduced in Business 401 and discusses some areas of law, not previously covered, which impact on business. The course work includes some written assignments regarding legal problems as well as a midterm and final exam.

PREREQUISITE: Business 401

Three hours a week

421 PERSONAL FINANCE

This course provides students with theoretical and practical information regarding personal financial planning including budgeting, personal taxation principles, the use and cost of credit, the importance of saving, investment strategies, retirement planning, estate planning, real estate and mortgages, and the use of property and life insurance.

PREREQUISITE: Business 331 or permission of the instructor

Three hours a week

432 APPLIED INVESTMENT MANAGEMENT

This course examines the various investment assets available to the individual, with a focus on the practical aspects of

investing, and also considers important theoretical concepts necessary for a full appreciation of investment management. Major topics include the financial markets, financial intermediaries, types of investments, the purpose of a stock exchange, and market theories. Students undertake a fundamental analysis of a public company's common shares and present an investment recommendation.

PREREQUISITE: Business 331 or permission of the instructor
Three hours a week

442 NETWORKING, KNOWLEDGE, AND DIGITAL AGE

This course explores a number of issues raised by our shifting cultural and technological landscape. Topics include analysis of new modes of communication, distribution, and control which give rise to changed perspectives in business and society.

PREREQUISITE: Business 241

461 COMMUNICATIONS

The study of basic behavioral concepts associated with the communication process. Each section of the course is designed to help students acquire a sensitivity to the communication process, their own and others. Students are expected to acquire an awareness of techniques of effective communication through readings, cases and simulation.

PREREQUISITE: Business 271 or permission of the instructor
Three hours a week

462 MARKETING MANAGEMENT

The focus of this course is on the determination and implementation of marketing strategy considering environmental, competitive and company characteristics. A combination of lectures and case discussions is used with emphasis on the latter.

PREREQUISITE: Business 341
Three hours a week

466 ENTREPRENEURIAL FINANCE

This course explores the dynamic challenges faced by entrepreneurial firms in securing financial backing to support start-up, development, and growth. The course is organized around the evolution of entrepreneurial companies emphasizing the dynamic nature of the issues confronting these firms. The financial factors that affect entrepreneurial firms at various stages through to the exit decision are considered. Specific topics include the viability of proposed start-up ventures, the potential sources of financing for entrepreneurial firms, financial distress, and the harvesting decision. The key decisions of firms at various phases of their life cycle are examined. A mix of interactive lectures and case discussions is used.

PREREQUISITE: Business 331 and 332 or permission of the instructor
Three hours a week

471 ORGANIZATIONAL THEORY AND CHANGE

This course considers the design, structure and administrative practices in organizations, and how the interactions of these variables relate to organizational performance. It covers such topics as bureaucracy, goal-setting, decision-making, control, and management of change.

PREREQUISITE: Business 271 or permission of the instructor
Three hours a week

475 (formerly Bus 375) E-COMMERCE

This course surveys a variety of e-business models through the use of case studies. Students are introduced to strategic, legal, and technology issues that businesses face when changing business processes in an electronic commerce environment.

PREREQUISITE: Business 332 and 342, or permission of the instructor

477 INTERNATIONAL MARKETING

This course addresses global issues that confront today's international marketer and presents concepts relevant to all international marketers. The focus is to develop a managerial understanding of international marketing and the competitiveness of Canadian and Island businesses in the global market. It provides a view of world markets, their respective consumers and environments, and the marketing management required to meet the demands of dynamic international settings.

PREREQUISITE: Business 342 or permission of the instructor
Three hours a week

479 SELECTED TOPICS IN MARKETING

This course deals with selected topics in marketing such as advertising, sales management, retailing, business marketing, tourism, and contemporary marketing issues. The course includes a range of active learning approaches, such as case discussions, computer simulations, and projects.

PREREQUISITE: Business 341
Three hours a week

482 SPECIAL TOPICS

An advanced course in Business Administration on a variety of topics for students who have qualified for advanced Business Administration study. Readings and/or research will be undertaken in a variety of specialized areas. Topics will be approved by the faculty of the School of Business Administration.

483 THE NATURAL STEP FOR BUSINESS

The Natural Step provides a framework of enquiry and a set of tools that enables any business organization to become more sustainable. Learners consider case histories and local applications, showing how some major businesses can improve their profits while lessening negative impacts on the planet.

PREREQUISITE: Acceptance to third year Business, or permission of the instructor
Three hours a week

485 DEVELOPING MANAGEMENT SKILLS

In this course, learners are provided with tools and exercises that are used to develop self-awareness, creativity, conflict resolution, and empowerment skills. Learners begin a process of self-assessment which can continue to serve their development as managers after the course is completed.

PREREQUISITE: Acceptance to third year, or permission of the instructor
Three hours a week

486 CURRENT ISSUES IN BUSINESS

This course offers students a program of study on a number of topics judged by faculty to be current, and likely to have a long-term impact on business management. Such topics may include, but are not limited to, changing employment structures, information technology uses in business, re-engineering, evolving regulatory environments, comparative business environments, and sustainable development.

PREREQUISITE: Business 271, 332, 342, 351
Three hours a week.

487 INTRODUCTION TO INTERNATIONAL BUSINESS

This course examines the basic issues involved in the internationalization of business, which includes the impact of interna-

tional focus on business and how firms establish and conduct transactions with organizations from other countries. More specifically, the course examines the basic models of involvement in international business and the conditions appropriate for each. Class sessions will combine seminars and case discussions requiring active participation by all students.

PREREQUISITE: Business 271, 332, 342, 351 or permission of the instructor

Three hours a week

488 MANAGEMENT IN PERSPECTIVE

This course examines the emergence and evolution of professional management and management education. The main focus is on the era of the modern corporation starting in the nineteenth century. The course is also concerned with the changing economic, social and political conditions which contributed to the development of management as a profession. Class sessions follow a seminar format and students are required to complete an independent research paper.

PREREQUISITE: Business 271, 332, 342, 351 or permission of the instructor

Three hours a week

491 STRATEGIC MANAGEMENT

This course provides students with an opportunity to explore the concepts of strategic thinking, analysis, and planning. It integrates the functional and process areas studied in the degree program and utilizes cases to give students experience in crafting business strategy. It is a degree requirement and is available only to students who are in the final year of the degree program.

PREREQUISITE: Business 271, 332, 342, 351 or permission of the instructor

Three hours a week

493 WORK TERM III

See Business 293

PREREQUISITE: Business 393

Semester hours of credit: 2

495 BUSINESS RESEARCH I

This required course examines the general methodology of conducting business research. The student will use the principles acquired in class to prepare and present a substantial paper on a research topic chosen in consultation with a faculty supervisor.

PREREQUISITE: Business 271, 332, 342, 351 or permission of the instructor

Three hours a week

496 BUSINESS RESEARCH II

This course allows students to pursue a research project in further depth.

PREREQUISITE: Business 495 and permission of the instructor

Three hours a week

510 HONOURS THESIS

This course is aimed at students interested in pursuing an extensive research project. It is a required course in the BBA Honours Program.

PREREQUISITE: Business 495 and permission of the instructor

Six hours a week

593 APPLIED BUSINESS CO-OP IV

This optional course is available only to co-op students who elect to do a fourth work term. The goal of the course is to

encourage the student to integrate knowledge learned in the classroom with practical skills acquired during the work term.

PREREQUISITE: Business 493

Semester hours of credit: 0

693 APPLIED BUSINESS CO-OP V

This optional course is available only to co-op students who elect to do a fifth work term. The goal of the course is to encourage the student to integrate knowledge learned in the classroom with practical skills acquired during the work term.

PREREQUISITE: Business 593

Canadian Studies

www.upei.ca/arts/canadianstudies/

Canadian Studies Acting Director

James Sentance (Economics)

Coordinating Committee

Basil Favaro (Education)

Ronald Collins (Business Administration)

David Bulger (Political Studies)

Irene Gammel (Women's Studies)

Richard Lemm (English)

Daryl Guignon (Biology)

G. Edward MacDonald (History)

R. Malcolm Murray (Philosophy)

Tom Trenton (Sociology & Anthropology)

The David Macdonald Stewart Professor of Canadian Studies

David Cook (Sessional Lecturer)

Canadian Studies is an interdisciplinary program drawing on the resources of twelve departments at UPEI. The goal of the program is to provide students with an in-depth understanding of Canadian society and culture. A student may major in Canadian Studies or may choose to plan a double major with Canadian Studies and another discipline.

REQUIREMENTS FOR A MAJOR IN CANADIAN STUDIES

THE MAJOR PROGRAM

PREREQUISITE

Admission to program

A student formally enters the Canadian Studies program in the third semester. The prerequisite for entry into the program is the completion of twelve semester hours of credit from two of the following departments: Economics, History, Modern Languages, Political Studies, Sociology or Anthropology. Students without these prerequisites may be admitted with the permission of the Director and the provision that the required courses be completed during the third or fourth semester.

The Second Year

In their second year at UPEI, students in the Canadian Studies Program will complete the core course The Atlantic Region (CST 201/202), as well as twelve hours of approved Canadian-area electives.

The Third Year

In their third year, students will complete the core course, The Canadian Experience (CST 301/302), as well as twelve hours of approved Canadian-area electives.

The Final Year

In the final year, students will complete the core courses Canada and the World (CST 401/402) and the Research Tutorial and Seminar (CST 410). In addition, students must complete a course in research methods (either History 211 or English 204) and six hours of approved Canadian-area electives.

General Requirements

1. A Canadian Studies major will be complete when a student has completed twenty-four semester hours of core courses, an additional thirty semester hours of approved Canadian-area electives, and a course in research methods (either History 211 or English 204).
2. Students are required to maintain an average of 65% in the Canadian-area courses.
3. Students must complete twelve semester hours in Modern Languages (French) or successfully complete a written competency examination in the language. Students are strongly urged to consider additional work in French.
4. Students should consult with the Director when registering, in order to better plan an individual program suitable to their needs and interests.

REQUIREMENTS FOR A MINOR IN CANADIAN STUDIES

THE MINOR PROGRAM

A minor in Canadian Studies will be recognized when a student has successfully completed 21 semester hours of courses, including the core courses - Canadian Studies 201/202 (The Atlantic Region), Canadian Studies 301/302 (The Canadian Experience), and Canadian Studies 401/402 (Canada and the World) and one Canadian Studies or approved Canadian-area elective.

There is no language or grade average requirement for the minor.

CANADIAN STUDIES CORE COURSES

201 THE ATLANTIC REGION

This course examines the Atlantic Region, considering such factors as history, geology, geography, climate, archaeology, biology, economics, politics, education, sociology, religion, literature, music, and folklore. The purpose of the course is to foster an understanding of the region, and to explore the role of the region within the Canadian context. The course draws upon a variety of university and community resource people. Cross-listed with History (cf. History 231)
Three hours a week

202 THE ATLANTIC REGION

A continuation of Canadian Studies 201.
Cross-listed with History (cf. History 232)
Three hours a week

301 THE CANADIAN EXPERIENCE

This course is designed to provide an opportunity to examine the development of Canadian culture from the perspectives of a number of distinct disciplines. The themes of colonialism, regionalism, metropolitanism and cultural diversity will provide the basis for this examination. The object of the course is to

develop an awareness of the complex patterns of development in Canadian culture from the French period to the present. The course will consist of seminars and lectures by a variety of instructors.

Three hours a week

302 THE CANADIAN EXPERIENCE

A continuation of Canadian Studies 301.
Three hours a week

401 CANADA AND THE WORLD

This interdisciplinary course compares Canada and its culture with two or three other countries and their cultures by choosing certain topics and studying them. (For example, ideological conflict, bilingualism, multi-culturalism, indigenous peoples, care for the environment, communications and media, higher education, the status of women, the status of minorities). Typically, the course focuses on three topics each semester. This is a lecture and seminar course drawing on the staff of several departments.
Three hours a week

402 CANADA AND THE WORLD

A continuation of Canadian Studies 401.
Three hours a week

410 RESEARCH TUTORIAL AND SEMINAR

This course is required for all senior students in Canadian Studies. The purpose of the course is to provide an opportunity for intensive inter-disciplinary research in an area to be determined by the student and participating faculty. Readings and research on the course will be supervised by at least two faculty members, from different disciplines, and the student is expected to present the results of the research in the form of an extended essay. This is a tutorial and seminar course.
Three hours a week

451-452 DIRECTED STUDIES

These courses are designed to provide an opportunity to examine special topics in Canadian Studies. The content and instructors will vary from year to year; open to both majors and non-majors. (See Academic Regulation 9 for Regulations Governing Directed Studies).

CANADIAN-AREA ELECTIVES FOR CANADIAN STUDIES MAJORS

From time to time, as courses are added, dropped, or modified in participating departments, it becomes necessary to revise the list of acceptable Canadian-Area Electives.

Biology

101	Environmental Biology
314	Plant Community Ecology
351	Ornithology
371	Mammalogy
391	Marine Biology
411/412	Wildlife Biology

Business Administration

101	Introduction to Business
271	Organizational Behaviour
361	Human Resource Management
372	Industrial Relations
401/402	Business Law

Economics

101/102	Introductory Economics
211	Introduction to Resource Economics
212	Regional Economics
221	Canadian Economic History
222	Public Sector Economics
242	The Economics of Tourism
251	Money and Financial Institutions
273	Economics of Labour Unions
283	Agricultural Economics
304	Canadian Economic Problems
323	Canadian Industrial Organization and Policy
324	Labour Economics
412	Public Finance

Education

471	Administration in Education
472	Supervision in Education
491	Sociology of Education

English

281	The English Language
321	English-Canadian Prose
322	English-Canadian Poetry
331	The Literature of Atlantic Canada
333	L.M. Montgomery
491/2/3	Variable content courses with Canadian Authors (offered periodically)

Family and Nutritional Sciences

302	Family Science (Survey of Historic Clothing)
341	Family Science (Human Development and the Family)

Fine Arts

321	Canadian Art
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History

101/102	Survey of Canadian History
325	(formerly 405) Canadian Social History to World War I
326	(formerly 406) Canadian Social History Since World War I
331/332	History of P.E.I.
352	The History of Quebec and French Canada
385	(formerly 433) Women in 19th Century Canada
386	(formerly 434) Women in 20th Century Canada
402	Folk History of Rural P.E.I.
403	The Micmac
421/422	Canadian Political History
424	History of Canadian Nationalism and the Canadian Identity
426	(formerly 383) A History of the Canadian Working Classes
431	Canadian External Relations
432	Canadian-American Relations
484	Applied Public History
489	20th Century PEI
491/492	Directed Studies (in approved Canadian areas of study)

Modern Language

101/102	French I/II
121/122	French III/IV
221	Intermediate French I
222	Intermediate French II
241	French Composition and Analysis I

242	French Composition and Analysis II
441/442	Literature Canadienne-Francaise I/II
443/444	Culture et Literature Acadienne I/II

Music

423/424	Canadian Composers
425/426	Selected Composer Study (in an approved area)

Philosophy

111	Critical Thinking
202	Contemporary Moral Issues

Physics

261	Energy, Environment and the Economy
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Political Studies

101	Introductory Politics I: The Foundation of Politics
102	Introductory Politics II: Comparative Government and Politics
201	Canadian Politics I: Government
202	Politics and Government of P.E.I.
211	Law, Politics & the Judicial Process I
212	Law, Politics & the Judicial Process II
262	Canadian Politics II: Environment and Processes
301	Federalism and Federation
302	Canadian Federalism
311	Canadian Public Administration
314	Canadian Public Policy
321	Quebec Society and Politics
322	Canadian Provincial Politics: A Comparative Perspective
353	The Politics of Canadian-American Relations
401	Law, the Courts and the Constitution I
402	Law, the Courts and the Constitution II
411	Political Parties and Elections in Canada
421	Aboriginal Peoples and the Canadian State

Religious Studies

202	Christianity and its Denomination
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Sociology & Anthropology

101/102	Anthropology: Introduction to Anthropology I & II
101/102	Sociology: Introduction to Sociology I & II
211	Sociology: Marriage and the Family
362	Sociology: Urban Sociology
371	Sociology: Canadian Society
222	Soc/Anth: Native Canadians
252	Soc/Anth: Social Gerontology
261	Soc/Anth: Sex, Gender and Society
262	Soc/Anth: Minority and Ethnic Groups in Canada
312	Soc/Anth: Rural Society
331	Soc/Anth: The Community

Women's Studies

101	(formerly 201) Introduction to Women's Studies
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Chemistry

www.upei.ca/chemistry/

Chemistry Faculty

Michael T.H. Liu, Professor Emeritus
 Brian D. Wagner, Associate Professor, Chair
 Robert I. Haines, Professor
 Rabin Bissessur, Associate Professor
 Nola Etkin, Associate Professor
 Barry Linkletter, Assistant Professor

Kevin Smith, Assistant Professor
J. Regis Duffy, Adjunct Professor
Cory Pye, Adjunct Professor
Gary Reid, Adjunct Professor

Accreditation received by the Canadian Society for Chemistry National Board for the Chemistry Major and Honours Program.

GENERAL REQUIREMENTS

For all courses with both laboratory and lecture components, credit will be granted only if satisfactory standing in both of these components has been obtained.

REQUIREMENTS FOR A MAJOR IN CHEMISTRY

Students pursuing a Bachelor of Science degree with a major in Chemistry must take at least 42 semester hours of chemistry in total and must at the same time complete certain courses as specified by the major requirements.

The required Chemistry courses are: Chemistry 111-112, Chemistry 221, Chemistry 241-242, Chemistry 231, Chemistry 272, Chemistry 322, Chemistry 331, Chemistry 342, Chemistry 351, Chemistry 361, Chemistry 374, and one Chemistry elective. An outline of the Chemistry major requirements in the suggested sequence for their completion is given below, but deviations from it are permitted provided that the pertinent prerequisites are fulfilled.

Additional course requirements for the Chemistry major include the following courses from other disciplines: Biology 111-112, Mathematics 151, Mathematics 152, Mathematics 221 and a Math elective, Physics 111-112 or Physics 111-122. As well, students majoring in Chemistry are advised to take Physics 272 (Electronics and Instrumentation).

All programs of study of students declared as Chemistry majors must be approved by the Chair of the Department. An outline of the Chemistry major requirements in the suggested sequence for their completion is given below, but deviations from it are permitted provided that the pertinent prerequisites are fulfilled.

First Year	Semester hours of credit
Chemistry 111-112	General Chemistry I and II..... 6
Biology 111-112	General Biology I and II 6
Physics 111-112 or 111-122	General Physics..... 6
Mathematics 151-152	Calculus I and II 6
Electives	(6 semester hours) 6
Total	30

Second Year	
Chemistry 221	Analytical Chemistry 3
Chemistry 241-242	Organic Chemistry I & II..... 6
Chemistry 231	Physical Chemistry I 3
Chemistry 272	Inorganic Chemistry I..... 3
Mathematics 221	Introductory Statistics 3
Electives (12 semester hours)	12
Total	30

Third Year	
Chemistry 322	Analytical Instrumentation..... 3
Chemistry 331	Physical Chemistry II 3
Chemistry 342	Advanced Organic Chemistry..... 3

Chemistry 361	Organic Spectroscopy 3
Chemistry 374	Inorganic Chemistry II..... 3
Mathematics elective	(3 semester hours)..... 3
Electives	(12 semester hours) 12
Total	30

Fourth Year

Chemistry 351	3
Chemistry Elective	(3 semester hours)..... 3
Electives	(24 semester hours)..... 24
Total	30

The Chemistry electives may be chosen from the Chemistry courses numbered: 202, 282, 352, 432, 441, 463, 464, 466, 467, 468, 469 or 482. At least one of the electives must be a laboratory course. The mathematics elective may be selected from Mathematics 242, 251 or 261.

REQUIREMENTS FOR A MINOR IN CHEMISTRY

Students may obtain a degree with a minor in Chemistry by successfully completing the following courses: Chemistry 111-112, Chemistry 221, Chemistry 231, Chemistry 241 or 243, Chemistry 242 or Chemistry 202, and Chemistry 272.

REQUIREMENTS FOR HONOURS IN CHEMISTRY

The Honours Program in Chemistry is designed to provide research experience at the undergraduate level within the B.Sc. program. It is available to students with a strong academic background who intend to continue studies at the post-graduate level in Chemistry or some related field, or to students who intend to pursue a career where research experience would be an asset.

The Honours Program differs from the major in requiring a two-semester research course with thesis report, in the requirement of 126 semester hours for the degree and in the requirement of an additional five advanced Chemistry courses. The following are the course requirements for the Honours Program in Chemistry:

First Year

Chemistry 111-112	General Chemistry I and II..... 6
Biology 111-112	General Biology I and II 6
Physics 111-112 or 111-122	General Physics..... 6
Mathematics 151-152	Calculus I and II 6
Electives (6 semester hours).....	6
Total	30

Second Year

Chemistry 221	Analytical Chemistry 3
Chemistry 241-242	Organic Chemistry I & II..... 6
Chemistry 231	Physical Chemistry I 3
Chemistry 272	Inorganic Chemistry I..... 3
Mathematics 221	Introductory Statistics 3
Mathematics 251	Calculus..... 3
Physics 272	Electronics and Instrumentation..... 3
Electives	(6 semester hours)..... 6
Total	30

Third Year

Chemistry 322	Analytical Instrumentation..... 3
Chemistry 331	Physical Chemistry II 3
Chemistry 342	Advanced Organic Chemistry..... 3

Chemistry 351	Biochemistry I.....	3
Chemistry 361	Organic Spectroscopy	3
Chemistry 374	Inorganic Chemistry II.....	3
Mathematics elective	(3 semester hours).....	3
Electives (9 semester hours)	9
Total		30

Fourth Year

Chemistry 432	Quantum Chemistry & Statistical Thermodynamics	3
Chemistry 441	Physical Organic Chemistry.....	3
Chemistry 490	Honours Project.....	12
Chemistry electives	(9 semester hours)	9
Electives	(9 semester hours)	9
Total		36

The Chemistry electives may be chosen from among Chemistry courses numbered: 202, 282, 352, 461, 462, 463, 464, 466, 467, 468, or 469. The Mathematics elective may be chosen from Mathematics 252, 261, 301 or 321 in consultation with the Chair.

Honours students should note that Chemistry 490 is a two-semester course and carries twelve semester hours of credit. No credit for the first semester will be granted without successful completion of the second semester of the course.

For admission to the Honours Program, students must have a minimum average of 70% in all previous courses; normally the Department expects high second-class standing or first-class standing in previous Chemistry courses. Permission of the Department is also required and is contingent on the student finding an Honours Advisor, on being assigned an advisory committee, on acceptance of the research project by the Chemistry Department, and on general acceptability. Students interested in doing Honours should consult with the Department Chair as early as possible and not later than March 31 of the student's third year.

To graduate with a BSc Honours in Chemistry, students must complete 126 semester hours of credit which meet the required courses outlined above. As well, students must attain a 75% average in all Chemistry courses combined and must achieve a minimum overall average of 70% in all courses submitted for the degree. Students failing to meet the Honours requirements may apply for a transfer to the BSc Chemistry Major Program or to other degree programs.

CHEMISTRY COURSES**001 INTRODUCTION TO THE ESSENTIALS OF CHEMISTRY**

This is a non-credit course is designed primarily for students needing an introduction to chemical principles, as preparation for first year chemistry. Basic chemical principles are introduced in relation to everyday applications, including industry and the environment. Topics include: matter and energy; elements and atoms; nomenclature and chemical reactions; electron arrangements in atoms; chemical quantities and calculations; acids and bases; and gases. Classes will be augmented by laboratory demonstrations. This course is highly recommended for those students planning to take Chemistry 111 and who do not have Grade 12 Academic Chemistry.

111 GENERAL CHEMISTRY I

This course emphasizes the fundamentals of chemistry. Topics include: atoms, molecules and ions; stoichiometry; mass rela-

tions; gases and their behaviour; electronic structure and the periodic table; covalent bonding and molecular geometry; and thermochemistry. The laboratory associated with this course stresses stoichiometry, qualitative analysis, atomic spectroscopy and thermochemistry.

PREREQUISITE: Grade XII Chemistry or the permission of the Chair in special cases

Three lecture hours a week; one three-hour laboratory period or tutorial a week.

112 GENERAL CHEMISTRY II

This course continues the subject matter of Chemistry 111. Topics include: chemical equilibrium, acids and bases, intermolecular forces, solutions, chemical kinetics, entropy and Gibbs energy, redox equations and electrochemistry. The laboratory associated with this course stresses volumetric analysis, titration curves and chemical kinetics.

PREREQUISITE: Chemistry 111

Three lecture hours a week; one three-hour laboratory period or tutorial a week.

202 ENVIRONMENTAL CHEMISTRY

This course deals with the major topics of concern in environmental chemistry. Emphasis is placed on the chemistry involved, as well as assessment of the relative hazards and corrective methods available to provide abatement. Topics covered include: atmospheric free radical chemistry, the greenhouse effect, stratospheric ozone, tropospheric chemistry and photochemical smog, the chemistry of natural water systems, acid rain, indoor air quality, sewage and waste management, chlorinated organic compounds, and heavy metals in the environment.

PREREQUISITE: Chemistry 112

Three lecture hours a week; laboratory or field trip every other week

221 ANALYTICAL CHEMISTRY

The treatment of analytical data and the estimation of experimental error are considered in detail. Chemical equilibrium, rate and equilibrium constants, abundance and titration curves, complexometric and redox reactions are discussed. The Beer-Lambert law and colorimetry are also examined. The laboratory work includes a selection of gravimetric, volumetric and colorimetric techniques relevant to the theory discussed.

PREREQUISITE: Chemistry 112

Three lecture hours and four laboratory hours a week

231 PHYSICAL CHEMISTRY I

This is an introductory course that deals with the topics of kinetic theory, introductory thermodynamics and thermochemistry, phase diagrams, conductivity, electrochemistry and introductory reaction kinetics. The latter includes first- and second-order reactions, as well as methods for dealing with the kinetics of complex reaction mechanisms.

PREREQUISITE: Chemistry 112, Mathematics 151-152, or Mathematics 112 with permission of the Chair

Three lecture hours and three hours laboratory a week

241 ORGANIC CHEMISTRY I

This course introduces students to the structure and reactivity of hydrocarbons and functional groups, stereochemistry, aromaticity, nucleophilicity and electrophilicity, basic types of organic reactions and the application of spectroscopy to structure elucidation.

PREREQUISITE: Chemistry 112

Three lecture hours and three hours laboratory a week

NOTE: Credit can not be obtained for both Chemistry 241 and Chemistry 243.

242 ORGANIC CHEMISTRY II

This course provides a detailed examination of reactivity and mechanisms of organic reactions, including nucleophilic substitution, elimination, addition, electrophilic aromatic substitution, reactions of carbonyl compounds, and rearrangements. Some multistep synthesis and polymers (including biopolymers) are also discussed.

PREREQUISITE: Chemistry 241

Three lecture hours and three laboratory hours a week

243 ORGANIC CHEMISTRY FOR THE LIFE SCIENCES

This course is an introduction to organic chemistry for students in the life sciences (and others who do not intend to pursue a major in chemistry). Topics covered include the structure and reactivity of hydrocarbons and functional groups, stereochemistry, aromaticity, nucleophilicity and electrophilicity. Basic types of reactions discussed include nucleophilic substitution, elimination, addition, oxidation/reduction and reactions of carbonyl compounds.

PREREQUISITE: Chemistry 112

Three lecture hours and three hours laboratory a week.

NOTE: Credit can not be obtained for both Chemistry 241 and Chemistry 243.

272 INORGANIC CHEMISTRY I

This course examines the descriptive chemistry of the main group elements and their compounds; periodic trends in reactivity, structure and physical properties. Other topics include: electronic configuration, an introduction to symmetry operations and symmetry elements, bonding theories (molecular orbital theory), acid-base theory, and special topics (industrial application, bioinorganic chemistry).

PREREQUISITE: Chemistry 112

Three lecture hours and four laboratory hours a week

282 INTRODUCTION TO SCIENTIFIC RESEARCH

This course introduces students to some of the basic skills required in planning and reporting scientific research. It includes electronic searching of the literature, planning and design of experiments, analysis of experimental data, assessment of experimental error, scientific proof, ethics in research and styles of scientific reports.

PREREQUISITE: Chemistry 112

Three lecture hours a week

322 ANALYTICAL INSTRUMENTATION

This course introduces a variety of instrumentation techniques, and examines the theory, advantages and limitations associated with each. Topics include uv-visible absorption spectroscopy, atomic absorption and emission spectroscopy, operational components of spectrophotometers; electro-analytical methods, potentiometric methods, ion-specific electrodes, voltammetry, liquid chromatography, gas chromatography, spreadsheet methods and statistical software.

PREREQUISITE: Chemistry 221 or permission of the Chair

Three lecture hours and four laboratory hours a week

331 PHYSICAL CHEMISTRY II

This course builds on the physical chemistry topics introduced in Chemistry 231, reinforcing those topics in depth and introducing additional concepts of physical chemistry. Topics include: advanced thermodynamics and kinetics, atomic spectroscopy, rotational and vibrational spectroscopy of small molecules and applications of symmetry and group theory to physical chemistry.

PREREQUISITE: Chemistry 231

Three lecture hours and three hours laboratory a week

342 ADVANCED ORGANIC CHEMISTRY

This course addresses the application of structure elucidation and synthetic methods to organic chemistry. Topics covered include: enolates, enamines, functional group interconversion, polycyclic and heterocyclic aromatic compounds, cycloadditions, rearrangements, multistep syntheses, and natural product synthesis.

PREREQUISITE: Chemistry 242

Three lecture hours and four laboratory hours a week

351 BIOCHEMISTRY I

This course is an introduction to the major biological macromolecules: proteins, carbohydrates, lipids and nucleic acids, with emphasis placed on structure, chemistry and functions. Other topics include: thermodynamics, enzyme catalysis and kinetics, and an overview of metabolism. The laboratory portion of the course focuses on the physical and chemical properties of the four macromolecules. Students use modern biochemistry techniques including ion-exchange and affinity chromatography, spectroscopy and electrophoresis.

PREREQUISITE: Chemistry 242 or Chemistry 243

Three lecture hours and three hours laboratory a week

352 BIOCHEMISTRY II

This course focuses on the following aspects of metabolism: glycolysis and tricarboxylic acid cycle, electron transport, lipid metabolism, nitrogen metabolism, DNA and RNA metabolism, and protein biosynthesis. Laboratory experiments include the study of food and human fluids. Recombinant DNA techniques are used to study the metabolism of DNA, RNA and proteins.

PREREQUISITE: Chemistry 351

Three lecture hours and three hours laboratory a week

361 SPECTROSCOPIC METHODS IN STRUCTURAL ANALYSIS

This course examines ultraviolet, visible, infrared and n.m.r. spectroscopy and mass spectrometry in terms of the physical processes responsible for the energy absorption and ion generation. Problems associated with the recording and interpretation of spectra are addressed and the application of spectral analysis to structural identification is stressed.

PREREQUISITE: Chemistry 242

Three lecture hours and three hours laboratory a week

374 INORGANIC CHEMISTRY II

This course introduces the chemistry of the transition metals, focusing on coordination and organotransition metal compounds. It discusses the geometry, bonding models (ligand field theory, molecular orbital theory, isolobal analogy), and electronic properties of the transition metals and their compounds. It examines specific families with respect to their chemical and physical properties and their reactivity (ligand substitution, oxidative addition, reductive elimination, insertion reactions) as related to their structure and bonding. Other topics include application to industrial processes and bioinorganic chemistry.

PREREQUISITE: Chemistry 272

Three lecture hours and three hours laboratory a week

432 QUANTUM CHEMISTRY AND STATISTICAL THERMODYNAMICS

This course introduces students to two advanced areas of physical chemistry. Quantum chemistry principles are described in detail, with applications to the cases of a particle in a box, the harmonic oscillator, the rigid rotor, and the hydrogen atom. Approximate methods for dealing with systems beyond the hydrogen atom are discussed, including perturbation and varia-

tion theories. Molecular orbital methods, such as the Hückel theory, are also introduced. The conceptual approaches and calculations of statistical thermodynamics are used to develop partition functions and to calculate macroscopic thermodynamic properties of matter.

PREREQUISITE: Chemistry 331, Mathematics 251

Three lecture hours a week

441 PHYSICAL ORGANIC CHEMISTRY

This course examines the qualitative and quantitative relationships between the rates and mechanisms of organic reactions, and the electronic and physical structures of reactants. Among the topics considered are: theory and applications of inductive and resonance effects, linear free energy relationships, kinetic isotope effects, solvent effects, steric effects in substitution and elimination reactions, acids and bases and pericyclic reactions, applications of semi-empirical and ab initio molecular orbital calculations.

PREREQUISITE: Chemistry 242

Three lecture hours a week

461-462 DIRECTED STUDIES IN CHEMISTRY

These courses may be offered at the discretion of the Department to advanced students. Conditions under which they are offered and entry will be subject to the approval of the Chair of the Department and the Dean of Science.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

463 ADVANCED TOPICS IN PHYSICAL CHEMISTRY

This course introduces several specialty subject areas of physical chemistry. The topics of study include: free radical kinetics, photochemistry, photophysics, molecular fluorescence, surface chemistry and electrochemistry.

PREREQUISITE: Chemistry 331

Three lecture hours a week

466 MACROCYCLIC CHEMISTRY

This course discusses current topics in macrocyclic chemistry. Topics covered include: template and non-template methods of syntheses; structure, reactivity and coordination chemistry of macrocycles, catenanes, rotaxanes; applications in catalysis, substrate binding and molecular recognition and supramolecular chemistry.

PREREQUISITE: Chemistry 231, 242, 272

Three lecture hours a week

467 ORGANOMETALLIC CHEMISTRY

Current research topics in organometallic chemistry are discussed with a focus on the synthetic applications of organometallic compounds. Topics include: their industrial application as polymerization catalysts, their use as chiral metal templates for directing the stereospecific outcome of organic reactions, and their role in the development of material science. The current literature is explored to illustrate the broad range of interdisciplinary applications of organometallic chemistry.

PREREQUISITE: Chemistry 374

Three lecture hours a week

469 MATERIALS CHEMISTRY

This course discusses current topics in materials chemistry. Topics include the synthesis and characterization of intercalation compounds, conductive polymers and their applications, semiconductors and their applications, defects in inorganic solids, and transport measurements.

PREREQUISITE: Chemistry 242, 331, 374

Three lecture hours a week

481 SPECIAL TOPICS

A course in which topics or issues are explored outside the core area.

482 ADVANCED CHEMISTRY LABORATORY

A laboratory course designed to review, unify, and augment the content of previous chemistry courses and to provide an introduction to chemical research. Students will abstract and adapt procedures from the chemical literature and apply them in research projects. Components in the evaluation include a written thesis and its oral presentation.

PREREQUISITES: All Chemistry courses of a 300 level or lower which are required for the Chemistry Major program
Six hours laboratory a week (minimum)

490 HONOURS RESEARCH AND THESIS

This course is a laboratory course focused on a project of original research. The course carries twelve semester hours of credit and is required of every Honours student in their final year of undergraduate study. The project is designed during the second semester of the prior year and intensive experimental work is conducted during the final year, for a minimum average of twelve hours per week, under the direction of an advisor and an advisory committee. The research results are reported in thesis format and are presented orally to the Department faculty and students.

PREREQUISITE: Acceptance to the Honours Program
Twelve semester hours of credit

Classics

www.upei.ca/classics/

Classics Faculty

D.F. Buck, Professor, Chair

The Greeks and the Romans laid foundations upon which Western Civilization rests. We owe to the Greeks the roots of much of our literature, science, philosophy and art, while the Romans gave the still living legacy of their language, literature and law to an empire that stretched from the North Sea to the Persian Gulf. To allow the student to share in this rich heritage, the Department of Classics offers courses in the languages, literature, history, philosophy and civilization of Greece and Rome.

Our courses in Greek and Roman Civilization are for students who wish to gain a general understanding of classical antiquity and are the usual basis for further work in Classics. The 200 and 300 level courses treat particular subjects and periods, but none of the Classics courses requires a knowledge of Greek or Latin.

There are, however, courses in the Greek and Latin languages for both beginning and advanced students. Those who wish to learn Greek and Latin are urged to begin their studies as early as possible in their university careers.

Students who pass in Classics 101, 102, 202, 342, 431 and 432 may claim credit for these courses in the Department of History.

Students who pass in Classics 121 may claim credit for this course in the Department of Religious Studies.

REQUIREMENTS FOR A MINOR IN CLASSICS

1. A Minor in Classics consists of 21 semester hours.
2. The 21 semester hours must be distributed as follows:
 - (a) 6 hours in Greek or 6 hours in Latin.
 - (b) 6 hours in civilization courses; i.e. non-language courses offered by the Classics Department or cross-listed courses recommended by the Department.
 - (c) 9 hours of electives at the 200 level or above; at least 3 of these 9 hours must be at the 300 level or above.

CLASSICS COURSES

101 GREEK CIVILIZATION

This course surveys Greek Civilization from the Bronze Age to the death of Alexander the Great. It examines important political, literary and artistic creations, such as Athenian democracy, tragic drama and sculpture, within their historical contexts. The aim is to provide both a general understanding of Ancient Greece, including its contribution to Western Civilization, and a basis for further work in Classics.

Cross-listed with History (cf. History 251)

PREREQUISITE: None

Three hours a week

102 ROMAN CIVILIZATION

This course surveys Roman Civilization from its beginnings to the fall of Rome. It examines important political, literary and material creations, such as the Empire, the Aeneid, and the Colosseum, within their historical contexts. The aim is to provide both a general understanding of Ancient Rome, including its contribution to Western Civilization, and a basis for further work in Classics.

Cross-listed with History (cf. History 252)

PREREQUISITE: None

Three hours a week

121 CLASSICAL MYTHOLOGY

This course surveys the Greek and Roman myths as they are found in the religion, pre-scientific thought, literature, philosophy and art of the Ancient World. These myths helped to make the universe, society and the individual intelligible to the Ancients and have contributed significantly to the art and literature of Western Civilization. The aim of the course is to provide both a general understanding of Greek and Roman culture and a basis for further work in Classics.

Cross-listed with Religious Studies (cf. Religious Studies 271)

PREREQUISITE: None

Three hours a week

201 CLASSICAL ATHENS

This course gives detailed consideration to the political, military, social and economic history of Athens from the end of the Persian Wars to the execution of Socrates. Particular attention is given to the literary and documentary sources, especially Thucydides' History of the Peloponnesian War.

PREREQUISITE: Classics 101, or 121, or permission of the instructor

Three hours a week

202 AUGUSTUS AND THE EARLY ROMAN EMPIRE

This course gives detailed consideration to the political, military, social and economic history of the Roman Empire from the assassination of Julius Caesar to the suicide of Nero. The focus is on the civil wars of the Late Republic, the achieve-

ments of the Augustan Principate and its evolution under the Julio-Claudian emperors. Particular attention is given to the literary and documentary sources, especially Tacitus' Annals and Suetonius' Lives of the Caesars.

Cross-listed with History (cf. History 271)

PREREQUISITE: Classics 102, or 121, or permission of the instructor

Three hours a week

212 ANCIENT TRAGEDY

This course examines critically the more important surviving plays of Aeschylus, Sophocles, Euripides and Seneca as dramatic reflections of the political, social, moral and religious concerns of the ancient Greeks and Romans. The aim is to develop a capacity for the critical appreciation of drama and an understanding of the society from which it emerged.

PREREQUISITE: Classics 101, or 121, or permission of the instructor

Three hours a week

222 ANCIENT COMEDY

This course examines critically the more important surviving plays of Aristophanes, Menander, Plautus and Terence as comic reflections of the changing political, social, moral and religious concerns of the ancient Greeks and Romans. The aim is to develop a capacity for the critical appreciation of comedy and an understanding of the society from which it emerged.

PREREQUISITE: Classics 101, or 121, or permission of the instructor

Three hours a week

231 EGYPTIAN AND MESOPOTAMIAN ART

See Fine Arts History 201

232 GREEK ART

See Fine Arts History 202

241 ROMAN ART

See Fine Arts History 211

262 PLATO AND ARISTOTLE

See Philosophy 262

301 THE HOMERIC EPICS

This course gives detailed consideration to the Iliad and the Odyssey and pays particular attention to the origin and development of those ideas which formed the basis of the Greeks' understanding of their own culture.

PREREQUISITE: Classics 101, or 121, or permission of the instructor

Three hours a week

313 THE WORLD OF THE BIBLE

See Religious Studies 313

333 THE PERSECUTION OF THE EARLY CHRISTIANS

See Religious Studies 333

341 ROMAN LAW

Roman Law as opposed to British Common Law is the basis of the present law of most countries in Western Europe as well as of Quebec. It is not only fundamental for legal studies, but it also illuminates contemporary issues like divorce and human rights. This course examines the history, sources, procedure, substance and legacy of the Roman Civil and Criminal Law with special attention to Justinian's Institutes.

PREREQUISITE: Classics 102, or 202, or permission of the instructor

Three hours a week

342 THE LATER ROMAN EMPIRE (A.D. 284-410)

This course gives detailed consideration to the political, military, social, economic and religious history of the Roman Empire from the reign of Diocletian to the sack of Rome by Alaric the Visigoth. Attention is directed to the reasons why the Romans failed to halt the decline of their Empire.

Cross-listed with History (cf. History 272)

PREREQUISITE: Classics 102, or 202, or permission of the instructor

Three hours a week

LANGUAGE COURSES

GREEK

101

This course provides an introduction to the grammar and syntax of Classical Greek.

PREREQUISITE: None

Three hours a week

102

This course provides a continuation of the study of the grammar and syntax of Classical Greek.

PREREQUISITE: Greek 101

Three hours a week

LATIN

101

This course provides an introduction to the grammar and syntax of the Latin language.

Three hours a week

102

This course provides a continuation of the study of the grammar and syntax of the Latin language.

PREREQUISITE: Latin 101

Three hours a week

431-432 DIRECTED STUDIES

Student and teacher jointly investigate problems or authors or do advanced language studies in consultation with the Chair.

May be used as a History credit with approval of History Chair

PREREQUISITE: Four courses in Classics

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

Computer Science and Information Technology

www.csit.upei.ca/

Computer Science Faculty

Stephen Howard, Associate Professor, Chair

Wayne Cutcliffe, Associate Professor

Cezar Câmpeanu, Assistant Professor

David LeBlanc, Assistant Professor

Yingwei Wang, Assistant Professor

Gordie Noye, Lecturer

Chris Vessey, Sessional Lecturer

DEGREE PROGRAM

The Department of Computer Science and Information Technology offers a program of study leading to a Bachelor of Science degree with a Major in Computer Science. An optional co-operative education stream is available for computer science majors.

ADMISSION TO PROGRAMS

Students intending to take a major in Computer Science must make their intent known to the Department as soon as possible so that the Department will be able to give early and continued advice for course selection and further study or employment after graduation. Such prospective majors should make their intent known to the Department during their Second Year but should do so no later than Third Year. Students wishing to pursue the computer science co-operative education stream should signify their intention during the first semester of their Second Year.

SELECTION OF COURSES

Students majoring in Computer Science are permitted to take courses with the Information Technology, IT, designation for degree credit only as general electives, except where otherwise noted. Courses with the IT designation can not count towards a Minor in Computer Science.

REQUIREMENTS FOR A MAJOR IN COMPUTER SCIENCE

The program requires a total of 120 semester hours of course credit. A total of 48 semester hours of Computer Science is required: 39 semester hours of core courses, plus 9 semester hours of electives above the 100 level. The core consists of Computer Science 151-152, 241, 252, 261, 282, 332, 352, 361, 371, 421, 481, 482. All core courses have three semester hours of credit. The required Mathematics courses are: Mathematics 151-152, 221, 242, 261. Also required are 15 semester hours of credit from the Faculty of Science (other than Mathematics or Computer Science), 15 semester hours of credit from the Faculty of Arts (including the 6 semester hours of English required by the University), and three semester hours of credit from the School of Business Administration. Students are strongly encouraged to complete some of the Science courses early in their program.

The following sequence of courses is suggested:

	Semester hours of credit
First Year	
Computer Science 151-152.....	6
Mathematics 151-152.....	6
Electives.....	18
Second Year	
Computer Science 241.....	3
Computer Science 252.....	3
Computer Science 261.....	3
Computer Science 282.....	3
Mathematics 242.....	3
Mathematics 261.....	3
Electives.....	12
Third Year	
Computer Science 332.....	3
Computer Science 352.....	3

Computer Science 361	3
Computer Science 371	3
Computer Science Elective	3
Mathematics 221	3
Electives	12

Fourth Year

Computer Science 421	3
Computer Science 481	3
Computer Science 482	3
Computer Science Electives	6
Electives	15
Total	120

COMPUTER SCIENCE CO-OPERATIVE EDUCATION PROGRAM

The Computer Science Co-operative Education Program is an optional five-year program that complements the Bachelor of Science Program in Computer Science with a minimum of 4 terms of supervised work experience divided between at least two placements. A placement is the continuous period a student spends with one employer. Each placement can be one work term or two work terms in duration and must start at the beginning of January, May or September. A work term is 14 to 16 weeks in duration but in exceptional circumstances a shorter duration work period may be permitted. Normally, the first work placement commences after the student has completed two years of the BSc degree program.

Students should note that the Co-operative Education Program is not a summer work program. At least one work term will be taken during a regular academic term. A limited number of placements will be available in a given year. Eligibility for a placement will be decided by the Co-op Co-ordinator and Program Director while hiring decisions for Co-op students are made by the employers.

Students are required to apply by early December for a first work term starting in May of the following year, or in early April for a first work term starting the following January. Students who successfully complete all requirements of the program will have a notation entered on their transcripts.

ADMISSION REQUIREMENTS

Applications to join the Computer Science Co-operative Education Program are made at the end of the first or second academic terms to the Co-operative Education Co-ordinator. A student must be a full time student majoring in Computer Science at the time of application. In addition to their interest, motivation, and abilities assessed through an interview, students must complete the requirements for the second year of their undergraduate BSc program in Computer Science with a cumulative average of 65% or higher and a Computer Science average of 65% or higher to be admitted to the program. These requirements normally include the completion of 60 credit hours towards the BSc Degree at the time of their first placement including CS 151, CS 152, CS 241, CS 252, CS 261, and CS 282. Applicants who have completed 54 credit hours will be considered provided that the required Computer Science core courses are completed at the time of the first placement. Students not admitted may reapply at the next opportunity.

CONTINUANCE REQUIREMENTS

To remain in the Co-op program, the student must continue to satisfy all the requirements of the BSc Program, and maintain

cumulative and Computer Science averages of 65%, in addition to achieving satisfactory performance on previous work terms. Students must register for a Co-operative education work term before each work term. They must also attend the seminars and workshops organized to provide the required employment orientation. They may also be required to give talks to their peers introducing tools and techniques learned on the job.

PROGRAM REQUIREMENTS

In addition to satisfying the requirements for the BSc Program in Computer Science, Co-operative education students must fulfill the following requirements:

1. The completion of a minimum of four terms of work experience in approved, academically-relevant, employment situations of 14 to 16 weeks duration each.
2. A satisfactory employer evaluation for each co-op work placement.
3. The satisfactory completion of a written report for each placement.
4. Fulfilment of any other requirements specified by the Department, such as the participation in seminars and workshops. A notation will be placed on students' academic transcripts following completion of each work term.

WITHDRAWAL CONDITIONS

Students may be required to withdraw from the Co-op Program if:

1. They are dismissed from, discontinue, or fail an appropriate and approved Co-op work term position due to a fault on their part;
2. They fail to submit or successfully complete a work term report;
3. They do not satisfy the continuance requirements including the required course grade average necessary for continuance in Cooperative Education;
4. They are no longer suited for the particular requirements of the Cooperative Education Program for a reason such as failure to abide by the policies and regulations governing the program. Students have the right of appeal under Academic Regulation 12.

REGISTRATION

Students are required to register for all work terms at the Registrar's Office, according to normal registration procedures. Work terms will officially be designated on students' transcripts as pass or fail.

FEES

Students pay for their academic courses as they are taken. Students accepted to the Cooperative Education Program are required to pay regular student fees and a Co-operative Education Program Fee (see Calendar section on fees).

REQUIREMENTS FOR A MINOR IN COMPUTER SCIENCE

Students may obtain a minor in Computer Science by completing at least 21 semester hours of courses in Computer Science defined as follows:

Semester hours of credit

CS 151-152	Introduction to Computer Science I & II	6
CS 252	Computer Organization and Architecture	3
CS 261	Data Structures and Algorithms	3

plus 3 semester hours of Computer Science at the 300 level or above, and an additional 6 semester hours of Computer Science at the 200 level or above.

COMPUTER SCIENCE COURSES**151 INTRODUCTION TO COMPUTER SCIENCE I**

This course is the first of a two course sequence designed to introduce Computer Science fundamentals to students who intend to continue with further studies in the discipline. The major emphasis is on modelling and programming fundamentals using a high level object-oriented language such as Java. Topics include the programming process, class design, object behaviour, control structures, primitive data types, input/output, graphical user interfaces, collection classes, elementary searching, and sorting.

PREREQUISITE: Grade XII academic Mathematics

Three lecture hours and one laboratory session a week

NOTE: CS 151 and Engineering 231 cannot be double credited

152 INTRODUCTION TO COMPUTER SCIENCE II

This course continues the development of object-oriented programming topics introduced in CS 151. It is intended for students who plan to continue with further Computer Science courses. Topics include inheritance, polymorphism, recursion, exception handling, graphical user interfaces, data structures (lists, stacks, queues, trees, graphs), threads, network programming.

PREREQUISITE: CS 151

Three lecture hours and one laboratory session a week

206 ADVANCED WEB DEVELOPMENT AND PROGRAMMING

See Information Technology 306

241 DIGITAL SYSTEMS

This course provides an introduction to digital systems, beginning with elementary components such as logic gates, and progressing to more complex systems such as programmable logic devices, memory and processor units. Students acquire skills in the design and analysis of combinational and sequential digital systems, CAD design and simulation tools for complex systems, and construction of digital systems. Familiarity with TTL gates, the MAX-Plus design platform and hands-on work with Programmable Logic Devices will be the focal points in the laboratory.

PREREQUISITE: CS 151 or Engineering 231; and six semester hours of Mathematics

Three lecture hours and one laboratory session a week

252 COMPUTER ORGANIZATION AND ARCHITECTURE

This course provides a basic understanding of the organization and architecture of modern computer systems. It examines the function and design of major hardware components both from a designer's perspective and through assembly language programming. Topics include components and their interconnection, internal/external memory, input/output subsystems, processors, computer arithmetic, instruction sets, addressing modes, and pipelining.

PREREQUISITE: CS 152

Three hours a week

261 DATA STRUCTURES AND ALGORITHMS

This course continues the study of data structures, recursive algorithms, searching and sorting techniques, and general strategies for problem solving. It also introduces complexity analysis and complexity classes.

PREREQUISITE: CS 152 and six semester hours of Mathematics

Three lecture hours a week

262 COMPARATIVE PROGRAMMING LANGUAGES

This course examines the principal features of major types of programming languages, including procedural, logical, functional and object-oriented languages. Features include parameter-passing mechanisms, control structures, scope, and binding rules. Each language type is illustrated by considering a specific language.

PREREQUISITE: CS 261

Three lecture hours a week

282 INTRODUCTION TO SYSTEM PROGRAMMING

This course introduces the student to development tools, system programming, elementary networking in the UNIX environment, and C/C++ programming from the perspective of a second language. Topics include shell programming, debugging, editing, file and directory management, C and C++ programming and programming tools, the X-window system, inter-process communication and basic TCP/IP networking. This course provides the fundamental tools necessary for software development in the advanced Computer Science courses.

PREREQUISITE: CS 152

Three lecture hours a week

321 HUMAN-COMPUTER INTERFACE DESIGN

This course is an introduction to the design and evaluation of software interfaces and webpages. The course focuses on user-centered design and includes topics such as user analysis and modelling, iterative prototyping, usability testing, designing for the web, internationalization and localization.

Cross-listed with Information Technology (cf. IT 321)

PREREQUISITES: for CS 321: CS 152 and for IT 321: IT 121

Three hours a week

332 THEORY OF COMPUTING

This course introduces automata theory, formal languages and computability. Topics include: finite automata; regular expressions; regular, context-free, and context-sensitive languages; computability models; algorithmic decidable and undecidable problems.

Cross-listed with Mathematics (cf. Mathematics 332)

PREREQUISITE: CS 261 and Math 242

Three lecture hours a week

342 COMPUTER COMMUNICATIONS

This course introduces the basic principles of data communication: media, analog and digital transmission, encoding, timing, multiplexing, error detection, data link control, network topologies, switching and routing techniques, protocols, architectures, and standards.

PREREQUISITE: CS 252

Three lecture hours a week

352 OPERATING SYSTEMS

This course introduces the student to the major concepts of modern operating systems. Topics covered include: process management, memory management, file systems, design methodologies, architectural support, security and design and implement some components of a simple operating system.

PREREQUISITE: CS 252

Three lecture hours a week

361 ANALYSIS AND DESIGN OF ALGORITHMS

This course, which introduces the study of algorithm design and measures of efficiency, is a continuation of Computer Science 261. Topics include algorithm complexity and analysis; techniques such as divide and conquer, greedy and dynamic programming; searching and sorting algorithms; graph algorithms; text processing; efficient algorithms for several common computer science problems and NP-completeness.

PREREQUISITE: CS 261, Math 242

Three lecture hours a week

362 OBJECT-ORIENTED DESIGN

This course examines the principles of object-oriented design and their implications for software design, through the use of object-oriented languages such as C++, Java, and others like C#, Delphi, Smalltalk, Eiffel. Topics include unified modeling language, encapsulation, inheritance, polymorphism, software reuse, object interactions, and principles of design patterns.

PREREQUISITE: CS 261

Three lecture hours a week

371 (formerly 372) DATABASE SYSTEMS

This course introduces the fundamental concepts necessary for the design, use and implementation of database systems. Topics discussed include: logical and physical organization of data, database models, data independence, data definition and manipulation languages, views, and embedding database languages in general programming languages.

PREREQUISITE: CS 261

Three lecture hours a week

392 NUMERICAL ANALYSIS

See Mathematics 392

411 ARTIFICIAL INTELLIGENCE AND AUTOMATED REASONING

This course introduces general problem-solving methods associated with automated reasoning and simulated intelligence. Topics include problem abstraction, state space heuristic search theory, knowledge representation, propositional logic, the programming language Prolog, reasoning with uncertainty, machine learning and connectionism.

PREREQUISITE: CS 261

Three lecture hours a week

421 PROFESSIONAL PRACTICE

This course prepares students for a career as a computing professional. Topics discussed include ethics, security, privacy and civil liberties, risk and liability, intellectual property, and certification standards. Professional and academic writing and presentation skills are also addressed.

PREREQUISITE: 3rd year standing in the Computer Science program and 6 semester hours of English

Three hours a week

432 COMPUTER GRAPHICS

This course introduces the principles and tools of interactive computer graphics: graphical input and output devices, primitive and composite object modelling, two- and three-dimensional transformations, hidden line and surface removal, colouring, and illumination models. Languages and general graphics standards are introduced.

PREREQUISITE: CS 261 and Math 261

Three lecture hours a week

442 DISTRIBUTED SYSTEMS

This course studies the fundamental aspects of modern distributed systems. Topics include: design goals and issues, transparency, communication, remote procedure call, remote method invocation, naming, replication, shared data and transactions, concurrency control, fault tolerance, security, management and distributed computing environments.

PREREQUISITE: CS 252

Three lecture hours a week

471 ADVANCED DATABASE SYSTEMS

This course builds upon Computer Science 371 - Database Systems. Advanced database techniques are covered in this course including concurrency control techniques, recovery techniques and database security, as well as object-oriented and distributed database systems.

PREREQUISITE: CS 371

Three lecture hours a week

472 COMPILER DESIGN

This is a first course in compiler design. The course covers: compilation phases, lexical analysis, parsing, scope rules, block structure, symbol tables, run-time heap and stack management, code generation, preprocessing, compiler-compilers, and translation systems.

PREREQUISITE: CS 332

Three lecture hours a week

481 SOFTWARE SYSTEMS DEVELOPMENT

This course emphasizes the theory, methods and tools employed in developing medium to large-scale software which is usable, efficient, maintainable and dependable. Topics include project costing, scheduling, team organization, project life-cycle models, requirements modelling/specification, user interface design, software design, software verification and testing, CASE tools, maintenance, configuration, and re-engineering.

PREREQUISITE: 4th year standing in Computer Science

Three lecture hours a week

482 SOFTWARE SYSTEMS DEVELOPMENT PROJECT

In this course students propose, complete and present a significant software project either individually or as part of a group. In doing so the student is expected to applying the system development skills learned in CS 481. The course applies object-oriented design principles through the use of UML. Students are encouraged to select (with the consent of the instructor) a project with a real-world client. It is recommended that students work in teams and that teams have a project selected before the commencement of this course.

PREREQUISITE: CS 481 (May be taken concurrently)

Three semester hours: One and a half lecture hours a week plus project time

491-492 DIRECTED STUDIES

These courses are designed and recommended for Computer Science students to encourage independent initiative and study. Reading and research will be conducted in one or more specialized areas.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

495 ADVANCED TOPICS IN COMPUTER SCIENCE

This course provides students with an opportunity to pursue advanced topics in computer science. Content varies from year to year but is always at a fourth-year level. Prospective students should contact the department for a more detailed description

of any particular year's offering.

PREREQUISITE: Permission of the instructor

Three lecture hours a week

INFORMATION TECHNOLOGY COURSES

111 (formerly CS 111) INTRODUCTION TO MICROCOMPUTERS (offered in both semesters)

This course is designed to familiarize students with the use of microcomputers and their software. Topics include: major hardware components, the operating system, word processing, spreadsheet software, database management, data communications and technology trends.

Two lecture hours and one hour practical experience a week

121 INTRODUCTION TO COMPUTER PROGRAMMING

This course is an introduction to computer programming for non-computer science majors. Students will be taught basic programming skills in a modern computer language. Topics include problem analysis, algorithm design, program structure, data types, selection, iteration, procedures, functions, and debugging of programs.

Three lecture hours and one laboratory session a week

NOTE: Credit will not be allowed for IT 121 if taken concurrent with, or subsequent to, CS 151 or Engineering 231.

Familiarity with microcomputer use is assumed.

205 WEB-BASED APPLICATION DEVELOPMENT AND PROGRAMMING

This course focuses on the fundamentals of Web-based application development. Students will gain an understanding of some Web programming technologies. This course covers various mark-up languages (such as XHTML, Dynamic HTML, XML), scripting languages (JavaScript) and technologies for website creation and client-side programming.

PREREQUISITES: IT 121 or CS 151 or permission of instructor

Three hours a week

261 REPRESENTATION AND STORAGE OF INFORMATION

This course for non-computer science majors further explores topics studied in an introduction programming course, examining commonly used methods for representing and manipulating information. The storage and retrieval of information is examined by studying various data structures. Topics include vectors, arrays, lists, files, stacks, queues, binary trees, graphs, searching and sorting techniques, recursive methods, and an introduction to objects.

PREREQUISITES: IT 121 or CS 151 or permission of instructor

NOTE: Credit will not be allowed for both IT 261 and CS 152. Computer science majors will not receive credit for IT 261.

Three hours a week

271 APPLIED DATABASES

This course is an introduction to relational database concepts and design for non-computer science majors. Topics include the database development life cycle, data modelling, database design, the Structured Query Language (SQL), database administration, data warehousing and data mining.

PREREQUISITES: IT 121 or CS 151 or permission of instructor. IT 261 is recommended.

NOTE: Credit will not be allowed for both IT 271 and CS 371. Computer science majors will not receive credit for IT 271.

Three hours a week

306 ADVANCED WEB DEVELOPMENT AND PROGRAMMING

This course focuses on Web server fundamentals and organization. Students gain an understanding of some server-side Web programming technologies and become familiar with various programming languages (VB-script, Perl, PHP), protocols (CGI) and technologies for website creation and server-side programming. Database connectivity (PHP – MySQL) will also be studied.

Cross-listed with Computer Science (cf. CS 206)

PREREQUISITES: IT 205 or CS 152 or permission of instructor

Three hours a week

321 HUMAN COMPUTER INTERFACE DESIGN

See Computer Science 321

342 NETWORKS AND DISTRIBUTED SYSTEMS

This course for non-computer science majors covers the essential elements of computer communication, networking and distributed systems with an emphasis on pervasive networks.

Topics include basic data communication principles, networking issues (such as topology, switching, addressing, routing, protocol operation), and distributed systems (design goals, models, middleware role, and common distributed services). Issues such as naming, replication, fault tolerance, time, and security will be reviewed from a non-theoretical perspective.

PREREQUISITES: IT 121 or CS 151 or permission of instructor.

NOTE: Credit will not be allowed for IT 342 and CS 342.

Computer science majors will not receive credit for IT 342.

Three hours a week

382 SYSTEMS ANALYSIS AND DESIGN

This course for non-computer science majors offers an introduction to principles of systems analysis and design. Topics include project management, development models, risk analysis, software requirements specification, systems design, software quality assurance and testing methodologies.

PREREQUISITES: IT 121 or CS 151 or permission of instructor

NOTE: Credit will not be allowed for both IT 382 and CS 481.

Computer science majors will not receive credit for IT 382.

Three hours a week

Economics

www.upei.ca/economics/

Economics Faculty

P. Nagarajan, Professor Emeritus

A. Spears, Lecturer, Chair

M.B. Ali, Associate Professor

L.R. Clark, Associate Professor

W. Rankaduwa, Associate Professor

J. Sentance, Assistant Professor

R. Neill, Adjunct Professor

F. Butler, Sessional Lecturer

M.B. MacLean, Sessional Lecturer

REQUIREMENTS FOR A MAJOR IN ECONOMICS

Students wishing to major in Economics must complete fifty-four semester hours in Economics, Mathematics and Computer Science according to the program described below.

All courses are valued at three semester hours.

- 102 Introductory Macroeconomics
- 203 Intermediate Microeconomics
- 204 Intermediate Macroeconomics

One of:

- 221 Canadian Economic History
- 311 History of Economic Thought (I)
- 312 History of Economic Thought (II)
- 303 Economic Methodology
- 403 Advanced Microeconomics
- 404 Advanced Macroeconomics

PLUS: Six (6) additional elective courses in economics, at least three of which must be at the 300 or 400 level.

Mathematics

- 111 Finite Mathematics
- 112 Calculus for the Managerial, Social, and Life Sciences
- 221 Introductory Statistics

Information Technology

- 111 Introduction to Microcomputers

Recommendation

Students planning to follow graduate studies in Economics are advised to plan their courses with the Department. Such students should include the following two courses as part of their six electives in Economics: 231 Mathematical Economics and 411 Econometrics. The Department further recommends that students who wish to go on to graduate studies choose Mathematics 151 and Mathematics 152, rather than Mathematics 112, as a stronger base for additional Mathematics courses. Students should also consider including Mathematics 261 (Linear Algebra) in their program of studies.

REQUIREMENTS FOR A MINOR IN ECONOMICS

Students wishing to minor in Economics must complete twenty-one semester hours in Economics distributed as follows: Economics 101 and 102, and five other courses including at least one of the intermediate theory courses (Economics 203 or 204). At least two courses at the 300 level or above. Students should plan their program in consultation with the Department.

NOTE: The offerings listed below are not necessarily available each year. At best it may be possible to offer certain courses every other year. The courses offered in the current year will be published so that students will have the exact information available.

ECONOMICS COURSES

101 INTRODUCTORY MICROECONOMICS

This course provides an introduction to the economic analysis of consumer and producer behavior. Of particular concern is the role of the market in the allocation of resources and the distribution of income, and how these outcomes are affected by imperfections in the market system and by government policy. **PREREQUISITE:** None
Three hours a week

102 INTRODUCTORY MACROECONOMICS

An introduction to the development, tools and application of

macroeconomic analysis in the Canadian economy. Topics discussed will include inflation, unemployment, monetary policy, fiscal policy as well as others.

PREREQUISITE: None
Three hours a week

111 INTRODUCTION TO ECONOMICS

This course introduces non-economics majors and minors to basic ideas in economic analysis. The topics covered include price theory, market analysis, national income accounts, growth, and international trade.

NOTE: Credit will not be given for both Economics 111 and either 101 or 102. This course is for students who do not wish to either major or minor in Economics but simply want to acquire some understanding of economic issues facing individuals.

PREREQUISITE: None
Three hours a week

203 INTERMEDIATE MICROECONOMICS

The theories of consumer and producer behaviour developed in Economics 101 are elaborated upon through the application of classical utility and indifference curve and production isoquant approaches. The role of market structure and the workings of factor markets are further examined.

PREREQUISITE: Economics 101
Three hours a week

204 INTERMEDIATE MACROECONOMICS

This course explores the national economy in terms of the determination of national output, the general price level, the rate of interest, and employment. It then analyzes the effectiveness of monetary and fiscal policy in achieving specific goals and combination of goals.

PREREQUISITE: Economics 102
Three hours a week

211 INTRODUCTION TO RESOURCE ECONOMICS

In this course questions concerning the use of natural resources are analyzed using the techniques of microeconomic theory. Issues relating to scarcity and conservation, market failure, inter-temporal allocation of resources, property rights, common property resources, and the environment are discussed from both a Canadian and international perspectives.

PREREQUISITE: Economics 101 or permission of the instructor
Three hours a week

212 REGIONAL ECONOMICS

This course analyzes the problems of regional economic development in terms of factors affecting the location of an economic activity, land use, and migration. Regional disparities and the strategies of the Government of Canada and the provincial governments to reduce them from both historical and contemporary perspectives are also discussed.

PREREQUISITE: Economics 101 or 102 or permission of the instructor
Three hours a week

215 ENVIRONMENTAL ECONOMICS

This course is an introduction to the field of environmental economics. Students analyse the types of incentives provided by the economic system that lead to environmental degradation as well as improvement. It presents a critical analysis of traditional economic models and introduces alternative ecological models, along with a discussion of such topics as externalities, valuation of ecological assets, and policy development.

PREREQUISITE: Economics 111 or 101 or permission of the instructor

Three hours per week

221 CANADIAN ECONOMIC HISTORY

This course surveys the history of Canada's economic development, emphasizing the interplay of Canada's resource base, the international economy, and the trade policies of France, England and the United States. Topics include exploitation of the staples trades, industrialization, expansion to the west, the Depression, and our legacy of foreign investment.

PREREQUISITE: Economics 101 and 102 or 111 or permission of the instructor

Three hours a week

222 PUBLIC SECTOR ECONOMICS

This course examines the broad nature and function of the public sector, with emphasis on the rationale for the existence of the public sector in a market economy and its impact on resource allocation, distribution of income and economic performance. Topics include anatomy of market failure, types of government intervention to correct market failure, the public good, externalities, and an overview of the growth of the public sector in Canada.

PREREQUISITE: Economics 101 and 102, or permission of the instructor

Three hours a week

231 MATHEMATICAL ECONOMICS

This is an introduction to the use of mathematics in theoretical economic analysis. Topics to be considered include utility maximization, efficient production, price and income determination, the adjustment to and stability of equilibrium, inflation, and the impact of government spending and taxation programs.

PREREQUISITE: Economics 101 and 102, Mathematics 111 and 112. Non-economic majors without Economics 101-102 but possessing a strong background in mathematics may be admitted with the instructor's permission

Three hours a week

241 COMPARATIVE ECONOMIC SYSTEMS

This course analyzes the workings of various contemporary economic systems such as Capitalism, Socialism and Communism. Comparative evaluation of the performance of these systems is undertaken using examples of countries such as the U.S.A., Britain, France, China, and the former U.S.S.R., among others.

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

242 THE ECONOMICS OF TOURISM

This course uses economic tools to analyze the role of tourism at the provincial, regional, national and international levels. Input/output analysis is used to compute local multipliers as they relate to the PEI economy. The role of the hospitality industry is also explored.

PREREQUISITE: Economics 111 or 101 or 102 or permission of the instructor

Three hours a week

251 MONEY AND FINANCIAL INSTITUTIONS

This course analyzes the nature and role of money in the economy. It examines commercial banking, central banking, money and capital markets, and other financial intermediaries. Elements of business finance are discussed with particular emphasis on the role of public financial institutions. Also included are financing foreign trade, consumer finance, an examination of public finance, and monetary policy.

PREREQUISITE: Economics 101 and 102

Three hours a week

272 HEALTH ECONOMICS

This course explores the economics of health care. Students apply economics and statistical tools to understand the decision-making process of governments and other health care providers. Topics covered may include supply and demand of health care, the impact of private and social health insurance on demand, and the policy issues and analysis of health care.

PREREQUISITE: Economics 111 or 101 or 102 or permission of the instructor

Three hours a week

273 ECONOMICS OF LABOUR UNIONS

This course examines the development of labour unions in North America and Europe. It provides an economic analysis of the organization, goals and consequences of unionized labour. The course also considers the role of the employers and governments.

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

283 AGRICULTURAL ECONOMICS

This course introduces students to agricultural economics and the role of agriculture in the economy. It reviews the structure of the food and fibre system from the farm and its suppliers to marketing and consumers. The role of agriculture in development, problems in agricultural trade, and alternatives in market structures and management are among the topics covered.

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

291 MANAGERIAL ECONOMICS

Managerial economics is the study of those economic principles and techniques needed in the evaluation, planning and management of economic projects in such fields as natural resources, agriculture, international and regional development. Optimization techniques, process programming, demand, cost and price analysis, and the study of alternative management regimes and optimizing goals are among the topics to be studied.

PREREQUISITE: Economics 101

Three hours a week

303 ECONOMIC METHODOLOGY

This course provides a critical analysis of various methodologies used by economists. It introduces students to research in economics by focusing attention on competing economic paradigms and the problem of empirical verification of economic hypotheses.

PREREQUISITE: Economics 203 and 204, Mathematics 221

Three hours a week

304 CANADIAN ECONOMIC PROBLEMS

This course examines selected contemporary problems of the Canadian economy by focusing on the formulation and analysis of economic policies designed to deal with these problems.

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

311 HISTORY OF ECONOMIC THOUGHT (I)

This course traces economics ideas from the Greek philosophers to the end of the classical school in the mid-nineteenth century, in particular the works of Plato, Aristotle, St. Thomas Aquinas, the English Mercantilists, the French physiocrats, Adam Smith, Thomas Malthus, David Ricardo, and J.S. Mill. A continuing theme is the relationship between the development of economic ideas and the structure of the society in which the economist lived.

Cross-listed with History Department (cf. History 461)

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

312 HISTORY OF ECONOMIC THOUGHT (II)

This course traces the evolution of modern economic ideas beginning with Karl Marx. It considers Socialist, Neoclassical, Institutional and Keynesian Schools of Economic thought.

Cross-listed with History Department (cf. History 462)

PREREQUISITE: Economics 101 and 102 or permission of the instructor

Three hours a week

323 CANADIAN INDUSTRIAL ORGANIZATION AND POLICY

This course undertakes a study of the structure, conduct and performance of Canada's industrial markets. It focuses on the institutional context, examining the various forms of regulatory and competition policy.

PREREQUISITE: Economics 203

Three hours a week

324 LABOUR ECONOMICS

From a theoretical perspective this course examines the workings of the labour market under different supply and demand conditions. Topics discussed include labour force participation, human capital investment, unemployment, discrimination and the effects of government policies such as the minimum wage, unemployment insurance, welfare and pay equity legislation.

PREREQUISITE: Economics 203 or instructor's permission

Three hours a week

331 INTERNATIONAL TRADE

This course examines the causes and economic consequences of international trade. Topics covered include theories of international trade, aggregate national gains from trade, effects of trade on the distribution of income, tariffs and non-tariff trade barriers, the basic theory of international factor movements, and commercial policy.

PREREQUISITE: Economics 203

Three hours a week

332 INTERNATIONAL MONETARY ECONOMICS

This course focuses on theories of balance of payments adjustment mechanisms and the efficiency of foreign exchange markets. Topics covered include modeling the open economy; the effects of incomes, prices, interest rates and exchange rates on international trade and capital flows; exchange rate regimes, capital mobility and macroeconomic policy coordination; the role of international institutions; and problems of international liquidity.

PREREQUISITE: Economics 204

Three hours a week

341 ECONOMIC DEVELOPMENT THEORY

This course provides a broad theoretical framework for understanding the development problems of developing countries.

Topics covered include theories of economic growth and development, sources of economic growth, patterns of economic development, the role of capital and saving in economic development, inward-looking and outward-looking development, and the problem of industrialization in developing countries.

PREREQUISITE: Economics 204

Three hours a week

352 APPLIED RESOURCE ECONOMICS

This course in applied economics deals with the management of natural resources, with special emphasis on water, fishery and forestry resources. It explains the use of cost-benefit analysis and linear programming in optimizing resource use. It also examines the dynamics of project analysis, the role of projections, and the discount rate.

PREREQUISITE: Economics 211 or permission of the instructor

Three hours a week

381 (formerly 282) WOMEN, ECONOMICS AND THE ECONOMY

This course examines the treatment of women by the discipline of economics from both mainstream and feminist perspectives. It includes a review of the feminist critique of traditional economics, as well as an examination of the economic literature pertaining to women and women's activities. Topics include women in the workforce and the economic analysis of fertility, marriage and divorce, and household production.

Cross-listed with Women's Studies (cf. Women's Studies 381)

PREREQUISITE: Economics 111 or 101 or 102 or permission of the instructor

Three hours a week

385 SPECIAL TOPIC

A lecture course in which contemporary topics or economic issues are explored and analysed in an introductory/general manner.

403 ADVANCED MICROECONOMICS

This course extends and analyzes topics developed in Economics 203 at an advanced level. These include demand, production and cost theories, competing theories of the firm, factor pricing, and general equilibrium.

PREREQUISITE: Economics 203

Three hours a week

404 ADVANCED MACROECONOMICS

This course examines recent developments and controversies in macroeconomic theory concerning the macro dynamics of unemployment, inflation, and the rate of growth of output. The emphasis is on substantive disagreements among Keynesian, Monetarist, and New Classical economists concerning the effectiveness of macroeconomic policy to affect unemployment and inflation rates.

PREREQUISITE: Economics 204

Three hours a week

405 FINANCIAL ECONOMICS

This course provides an understanding of the economic analysis of the financial system beyond the introductory level. It places particular emphasis on the structure, operation and the role of financial markets, such as money markets, capital markets and derivative markets, and the characteristics of various financial securities traded in these markets. The main topics covered in the course include economic theories of saving and investment behaviour, asset demand and supply under uncertainty, decision making by investors in the presence of

uncertainty, portfolio analysis, managing risk, and the models of asset pricing.

PREREQUISITES: EC 203, EC 204, and EC 251, or permission of the instructor

Three hours a week

411 INTRODUCTION TO ECONOMETRICS

This course concentrates on effective procedures for the statistical estimation and testing of key parameters in economic models. Remedies are developed for problems associated with model specification. Multicollinearity, serial correlation, heteroscedasticity, simultaneous equations, and forecasting.

PREREQUISITE: Economics 203 and 204, Mathematics 221, and either Mathematics 112 or 151

Three hours a week

412 PUBLIC FINANCE

This course deals with the role of the public sector in attaining an efficient allocation of resources and an equitable distribution of income in a market economy. It focuses on theories of public expenditure and taxation, and emphasizes criteria for the evaluation and selection of public expenditure and tax programs. Special attention is given to Canadian fiscal problems and current policy issues in this area.

PREREQUISITE: Economics 203 and 204

Three hours a week

421-422 DIRECTED STUDIES IN ECONOMICS

These are courses in Economics on a variety of topics for students who have qualified for advanced study. Readings and/or research will be undertaken in a variety of specialized areas. The topics offered must be approved by the Chair of the Department and the Dean of the Faculty.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

485 SPECIAL TOPIC

A lecture course in which contemporary topics or economic issues are explored and analysed in an introductory/general manner.

NOTE: The Department encourages students to select "Economic Papers on Island Topics" which may be eligible for a prize from the Prince Edward Island Department of Industry/ACOA Awards.

Education

www.upei.ca/education/

Education Faculty

Edward L. Edmonds, Professor Emeritus
Graham Pike, Associate Professor, Dean
Vianne Timmons, Professor
Anne-Louise Brookes, Associate Professor
Ray Doiron, Associate Professor
Basil Favaro, Associate Professor
Martha Gabriel, Associate Professor
Gerald Hopkirk, Associate Professor
Xiufeng Liu, Associate Professor
Fiona O'Donoghue, Associate Professor
Miles Turnbull, Associate Professor
Elizabeth deFreitas, Assistant Professor
Kamini Jaipal, Assistant Professor
Alexander McAuley, Assistant Professor

TWO-YEAR POST-DEGREE BACHELOR OF EDUCATION

The Bachelor of Education (BEd) is a two-year post-degree program consisting of 20 three-hour credit courses in education. This program is designed to provide the variety of courses and extended field experiences through which students can develop the knowledge and skills needed to teach in the modern classroom. It is the opportunity for students to focus their studies in Early Years (grades 1 - 5), Middle Years (grades 5 - 9) or Senior Years (grades 9 - 12) and in International Education or Aboriginal Education.

TWO YEAR BACHELOR OF EDUCATION PROGRAM

Tentative Student Schedules (Students must satisfy the requirements under one of the following areas of concentration.)

EARLY YEARS CONCENTRATION

- Ed. 402 Meeting the Needs of the Young Learner
- Ed. 403 Integrated Arts
- Ed. 412 Integrated Foundations of Education
- Ed. 415 The Inclusive Classroom
- Ed. 423 Mathematics in the Early Years I
- Ed. 424 Thematic Teaching in the Early Years I
- Ed. 428 Mathematics in the Early Years II
- Ed. 432 Language Arts in the Early Years I
- Ed. 433 Language Arts in the Early Years II
- Ed. 445 Science in the Early Years
- Ed. 454 Social Studies in the Early Years
- Ed. 463 Perspectives on Culture and Society in Education
- Ed. 473 Communications
- Ed. 474 Technology in Education
- Ed. 482 Assessment and Evaluation
- Ed. 495 Introduction to Teaching and School Experience
- Ed. 496 General Teaching Methods and School Experience
- Ed. 497 Issues in Teaching and School Experience
- Ed. 498 Alternatives in Teaching and School Experience
- Education Elective

MIDDLE YEARS CONCENTRATION

- Ed. 403 Integrated Arts
- Ed. 412 Integrated Foundations of Education
- Ed. 415 The Inclusive Classroom
- Ed. 417 Meeting the Needs of the Adolescent Learner
- Ed. 425 Mathematics in the Middle Years I
- Ed. 429 Mathematics in the Middle Years II
- Ed. 434 Language Arts in the Middle Years I
- Ed. 435 Language Arts in the Middle Years II
- Ed. 444 Science in the Middle Years
- Ed. 455 Social Studies in the Middle Years
- Ed. 463 Perspectives on Culture and Society in Education
- Ed. 473 Communications
- Ed. 474 Technology in Education
- Ed. 482 Assessment and Evaluation
- Ed. 495 Introduction to Teaching and School Experience
- Ed. 496 General Teaching Methods and School Experience
- Ed. 497 Issues in Teaching and School Experience
- Ed. 498 Alternatives in Teaching and School Experience
- Education Elective
- Education Elective

SENIOR YEARS CONCENTRATION

- Ed. 403 Integrated Arts
- Ed. 412 Integrated Foundations of Education
- Ed. 415 The Inclusive Classroom
- Ed. 417 Meeting the Needs of the Adolescent Learner
- Ed. 418 Guidance in the Schools
- Ed. 438 Literacy in the Curriculum
- Ed. 463 Perspectives on Culture and Society in Education
- Ed. 473 Communications
- Ed. 474 Technology in Education
- Ed. 482 Assessment and Evaluation
- Ed. 495 Introduction to Teaching and School Experience
- Ed. 496 General Teaching Methods and School Experience
- Ed. 497 Issues in Teaching and School Experience
- Ed. 498 Alternatives in Teaching and School Experience
- Education Subject Methods I
- Education Subject Methods II
- Education Subject Methods I
- Education Subject Methods II
- Education Elective
- Education Elective

Note: Education courses 211, 212, 213, 381, 382, 391 and 392 are available to non-education students. Permission of the Dean is required for non-education students to enroll in any other education courses.

INTERNATIONAL EDUCATION

Students interested in developing a focus on International Education are advised that the following courses are available:

- Ed. 462 International Education
- Ed. 463 Perspectives on Culture and Society in Education
- Ed. 465 International Development
- Ed. 466 Principles of English as a Second/Foreign Language
- Ed. 467 Teaching English as a Second/Foreign Language

Students may also elect to practice teach in an international setting.

ABORIGINAL EDUCATION

Students interested in developing a focus on Aboriginal Education are advised that the following courses are available:

- Ed. 449 Introduction to Aboriginal Education
- Ed. 451 Integrating Aboriginal Themes in the Curriculum K - 12
- Ed. 463 Perspectives on Culture and Society in Education

Students may also elect to practice teach in an Aboriginal setting.

**BACHELOR OF EDUCATION—
SPECIALIZATION IN TEACHING
FRENCH IMMERSION**

This unique program will provide the variety of courses, French language and cultural experiences and extended field experiences (19 weeks of practicum) through which students

can develop the knowledge and skills needed to teach in modern French Immersion classrooms. This program also provides students an opportunity to focus their studies in the Early, Middle or Senior years.

Students must pass all courses in each of the two years to graduate with a Bachelor of Education, specializing in teaching French Immersion.

PROGRAM—Tentative student schedules**EARLY YEARS CONCENTRATION****Year 1****Term 1—UPEI**

- | | |
|--------|--|
| ED 412 | Integrated Foundations |
| ED 415 | Inclusive classroom |
| ED 485 | Pédagogie en immersion: une introduction |
| ED 486 | Didactique du français langue seconde |
| ED 487 | L'acquisition des langues secondes |
| ED 495 | Introduction to teaching and school experience |

Term 2—Université de Moncton

- | | |
|-----------|---------------------------------|
| EDDP 2103 | Littérature FLS |
| EDDP 2502 | Didactique de la musique |
| EDUC 2121 | Animation et communication |
| EDUC 3013 | Ordinateurs B l'école |
| EDUC 4322 | Motivation et gestion de classe |

Year 2**Term 1—Université de Moncton**

- | | |
|-----------|---|
| EDDP 4522 | Sciences au primaire (M-4) |
| EDDP 4502 | Maths au primaire (ou 3503, 3512) |
| EDDP 4573 | Sciences humaines au primaire (M-4) |
| EDUC 3033 | Éducation interculturelle et internationale |
| EDUC 3814 | Programmation et évaluation |

Term 2—UPEI

- | | |
|--------|--|
| ED 402 | Meeting the needs of the young learner |
| ED 428 | Mathematics in Early Years II |
| ED 484 | Littérature en langue seconde 2 |
| ED 498 | Alternatives in Teaching and School Experience |

MIDDLE YEARS CONCENTRATION**Year 1****Term 1—UPEI**

- | | |
|--------|--|
| ED 412 | Integrated Foundations |
| ED 415 | Inclusive classroom |
| ED 485 | Pédagogie en immersion: une introduction |
| ED 486 | Didactique du français langue seconde |
| ED 487 | L'acquisition des langues secondes |
| ED 495 | Introduction to teaching and school experience |

Term 2—Université de Moncton

- | | |
|-----------|------------------------------|
| EDDP 2103 | Littérature FLS |
| EDDP 2502 | Didactique de la musique |
| EDDP 4512 | Sciences au primaire (5 B 8) |
| EDUC 3013 | Ordinateurs B l'école |
| EDUC 2121 | Animation et communication |

Year 2**Term 1—Université de Moncton**

- | | |
|-----------|---|
| EDDP 4502 | Maths au primaire (ou 3503, 3512) |
| EDDP 4573 | Sciences humaines au primaire (M-4) |
| EDUC 3033 | Éducation interculturelle et internationale |
| EDUC 3814 | Programmation et évaluation |
| EDUC 4322 | Motivation et gestion de classe |

Term 2—UPEI

ED 417	Meeting the needs of the adolescent learner
ED 429	Mathematics in Middle Years II
ED 484	Littérature en langue seconde 2
ED 498	Alternatives in Teaching and School Experience

SENIOR YEARS CONCENTRATION**Year 1****Term 1—UPEI**

ED 412	Integrated Foundations
ED 487	L'acquisition des langues secondes
ED 485	Pédagogie en immersion: une introduction
ED 476	Didactique du français langue seconde
ED 495	Introduction to teaching and school experience

Education Subject methods 1

Term 2—Université de Moncton

EDUC 1102	Intégration en éducation
EDUC 2121	Animation et communication (ou 3202, 4201, 4301)
EDUC 3013	Ordinateurs B l'école
Education Subject methods 2	
Education Elective	

Year 2**Term 1—Université de Moncton**

EDDP 4513	Didactique du FLS
EDUC 2123	Psychopédagogie des ados
EDUC 3814	Programmation et évaluation
EDUC 4322	Motivation et gestion de classe

Term 2—UPEI

ED 438	Literacy in the curriculum
ED 463	Perspectives on Culture and Society
ED 498	Alternatives in Teaching and School Experience
Education Elective	
Education Elective	

GRADUATE CERTIFICATE PROGRAMS

An Education degree and teacher certification are required for admission into the School Librarianship and Inclusive Education Graduate Certificate programs. These courses are offered in sequence for part-time study only. Teachers may enroll in individual courses; however, if they wish to obtain a Graduate Certificate they must complete the cycle of courses. The cycle of courses will run over two years. Candidates must apply for acceptance into the program, and once they have been accepted, they will be assured a place in courses as they are scheduled. Courses will be offered once a sufficient number of students are identified.

GRADUATE CERTIFICATE IN SCHOOL LIBRARIANSHIP * Pending MPHEC approval*

The Graduate Certificate in School Librarianship is designed to give qualified teachers specialized knowledge in the role of contemporary school library resource centres, as well as expertise in being a teacher-librarian. To be awarded a Certificate in School Librarianship, candidates must successfully complete five of the following core courses:

Ed. 571	The School Library Resource Centre
Ed. 572	Information Literacy and the School Library
Ed. 573	Children's Literature in Education

OR

Ed. 574	Young Adult Literature
Ed. 575	Organization and Management of Learning Resources
Ed. 576	Analysis, Evaluation, and Selection of Learning Resources

With permission from the Co-ordinator of Graduate Studies a student may take an appropriate graduate level course to replace a core course.

GRADUATE CERTIFICATE IN INCLUSIVE EDUCATION* Pending MPHEC approval*

The Graduate Certificate in Inclusive Education is designed to prepare classroom teachers to teach children with varied academic abilities and needs in their classrooms. The program is designed to provide classroom teachers with the background knowledge, attitudes and skills to provide appropriate instruction for all children in the classroom.

The following courses comprise the Certificate:

Ed. 581	The Inclusive Classroom
Ed. 582	Assessment of Individual Learners
Ed. 583	Differentiation and Individualized Instruction
Ed. 584	Leadership and Collaboration
Ed. 585	Improving Language and Literary Achievement

With permission from the Co-ordinator of Graduate Studies, Faculty of Education, a student may take an appropriate graduate level course to replace a core course.

DIPLOMA IN ADULT EDUCATION

The Diploma in Adult Education is designed for educators working in a variety of adult education situations. This Diploma recognizes that adult education is a distinct profession with specific requirements. Normally, a university degree is required for admission into the program. These courses are offered in sequence for part-time study only. Instructors in Adult Education may enroll in individual courses; however, if they wish to obtain a diploma, they must enroll in the first course and complete the cycle of courses. The cycle of courses will run over three years. Candidates must apply for acceptance into the program and, once they have been accepted, they will be assured a place in courses as they are scheduled. The program will be offered once twenty prospective students are identified.

The core courses are:

Ed. 561	The Adult Learner
Ed. 562	Sociology of Adult Education
Ed. 563	Program Development and Implementation
Ed. 564	Issues in Adult Education
Ed. 565	Educational Technology and the Adult Learner
Ed. 566	Assessment of Adult Learning
Ed. 567	Entrepreneurial Education
Ed. 568	Counselling the Adult Learner
Ed. 569	Principles of Adult Education
Ed. 595	Special Topics in Adult Education

Students must pass all courses to graduate from the University

of Prince Edward Island with a Diploma in Adult Education.

Any of the diploma courses may be re-offered if there is sufficient demand.

EDUCATION COURSES

All education courses are graded as Pass or Fail. Students must pass all courses in each of the two years of the program to graduate with a BEd.

121 MUSIC APPRECIATION

See Music 104

211 INTRODUCTION TO EDUCATION

This course provides students with an introduction to education in Canada. Students examine: the purpose of schools, the characteristics of classrooms, the role of teachers, the relationship between schools and society, current issues in education, and teaching as a career and profession. A minimum of 25 hours of school-related experience is a requirement of this course. Three lecture hours, plus one full morning or afternoon a week for school visits

212 PRINCIPLES AND PRACTICES OF EDUCATION

This course introduces students to the philosophical, sociological, psychological and historical foundations of education in Canada. Students explore how the foundation areas impact on the principles, practices and problems of teaching in contemporary Canadian classrooms. A minimum of 25 hours of school-related experience is a requirement of this course.

PREREQUISITE: Education 211

Three lecture hours, plus one full morning or afternoon a week for school visits

213 (formerly 488) INTRODUCTION B L'EDUCATION EN FRANCAIS AU CANADA

This course provides students with an introduction to French first and second language education in Canada with a particular emphasis on the educational system on Prince Edward Island. Students analyse a variety of French programs in Canadian schools, the goals of these programs, and the roles of teachers within them. Students also examine current issues in education and their impact on French language education. A minimum of 25 hours of school-related experience is a course requirement.

PREREQUISITE: Students are encouraged to complete ED 211 before enrolling in this course or receive permission of the instructor. Twenty-five hours of school-related experience.

361 CHILDREN'S LITERATURE

See English 245

381 FOUNDATIONS OF PHYSICAL EDUCATION

A course designed to introduce the student to concepts and principles of today's physical education and to examine the role of exercise and sport in our changing culture.

Three hours a week

382 PERSONAL AND COMMUNITY HEALTH

A course designed to examine the health problems of particular concern to adults in our society. Topics include: interpersonal relations, drug use and abuse, human sexuality, health consumerism, nutrition and fitness, and environmental pollution.

Three hours a week

391 FOUNDATIONS OF COACHING

A course which examines the variety of sciences which are the foundations of coaching, such as: anatomy, physiology, philosophy, psychology, and sociology, as well as introduces coaching concerns in a number of popular sports (NCCP Level 1 Theory included).

Three hours a week

392 ADMINISTRATION OF PHYSICAL EDUCATION

A course concerned with the organizational and administrative principles in physical education. Major areas to be examined include: intramurals and recreation, interschool sports, equipment, facilities, and public relations.

Three hours a week

401 DIRECTED STUDIES

This course is available to advanced students at the discretion of the faculty. Entry to the course, course content, and the conditions under which the course may be offered are subject to the approval of the Dean of Education. (See Academic Regulation 9 for Regulations Governing Directed Studies)

402 (Formerly 414) MEETING THE NEEDS OF THE YOUNG LEARNER

This course examines topics in education psychology relevant to the early years classroom. Topics include physical, cognitive, social/emotional and moral/spiritual development; individual differences; learning theories and motivation; behaviour; and the legal, ethical, and counselling responsibilities of teachers for supporting students in need.

Three hours a week

403 INTEGRATED ARTS

This course familiarizes students with a variety of creative forms of expression and communication used in the elementary curriculum. This course integrates art, music, movement, and drama into the teaching of various subjects in the elementary school curriculum.

Three hours a week

404 ENVIRONMENTAL STUDIES

This foundation course investigates Basic Ecology, Natural Environment, Rural Environment, and Urban Environment. An interdisciplinary approach is used to study Environmental Education. Students are involved in a series of practical environmental learning experiences relating to curricula in the classroom and outside it.

Three hours a week

405 EARLY CHILDHOOD EDUCATION

This course examines theories of growth and development in early childhood with particular emphasis on language development and developmentally appropriate pedagogy. Practical applications focus on the selection and use of materials and methods for teaching in the early years.

Three hours a week

407 SPECIALIZED SCHOOL SUBJECT METHODS II

In this course, students explore curriculum concepts and instructional techniques in a specialized area of the school program in which they have either a major or a minor. This course is a continuation of Education 406, Specialized School Subject Methods I, and emphasizes relevant assessment methods and research pertinent to this subject area.

PREREQUISITE: Education 406

Three hours a week

408 ART IN THE ELEMENTARY GRADES I

This is a workshop course to enable classroom teachers, with little previous background in art, to carry on art education in elementary school classes.

Three hours a week

409 ART IN THE ELEMENTARY GRADES II

This project-oriented, interdisciplinary workshop course gives students direct experience in using art methods as a tool to explore and relate to other curriculum material.

Three hours a week

412 INTEGRATED FOUNDATIONS OF EDUCATION

This course introduces students to concepts drawn from the disciplines of sociology, history, and philosophy of education. The focus is on the ideas of individuals who have made significant contributions to the advancement of western education.

Three hours a week

413 PERSPECTIVES ON EDUCATION

This course provides an opportunity to critically examine topics and developments that have particular relevance to the schools on Prince Edward Island. Using an interdisciplinary approach, this course focuses on the development of a reflective attitude about teaching and education.

Three hours a week

415 THE INCLUSIVE CLASSROOM

This course provides an overview of students with different learning abilities in the regular classroom, and examines the evolution of services for children with particular learning needs. The course emphasizes the skills needed to ensure that the regular classroom is inclusive and that the teacher is sensitive to all needs.

Three hours a week

416 INDIVIDUALIZED INSTRUCTION

This course is designed to ensure that students have the knowledge and skills needed to differentiate curriculum and instruction for learners of varying abilities. Students conduct individualized educational assessments and collaborate on the development of individualized educational plans.

Three hours a week

417 MEETING THE NEEDS OF THE ADOLESCENT LEARNER

This course examines topics in educational psychology relevant to the middle and senior years classroom. Topics include physical, cognitive, social/emotional and moral/spiritual development; individual differences; learning theories and motivation; behaviour; and the legal, ethical, and counselling responsibilities of teachers for supporting students in need.

Three hours a week

418 GUIDANCE IN THE SCHOOLS

This course examines principles, problems and procedures in the provision of guidance services in a school setting. Particular attention is given to such topics as the functions of school personnel in guidance; integration of school and community resources; guidance-testing programs; information services; placement and follow-up activities.

Three hours a week

419 COUNSELLING THEORIES AND TECHNIQUES

Philosophical issues related to counselling decisions are discussed and evaluated. Counselling theories are evaluated and related to the school setting. Counsellor aids in detecting

student maladjustment and ways of dealing with crisis situations are examined. The impact of nonverbal communication on the counsellor-student relationship is considered.

Three hours a week

421 HUMAN DEVELOPMENT AND THE FAMILY

See Department of Family and Nutritional Sciences (Family Science 341).

422 DYNAMICS OF FAMILY LIVING

See Department of Family and Nutritional Sciences (Family Science 242).

423 MATHEMATICS IN THE EARLY YEARS

In this course, students examine the goals of early childhood mathematics and acquire an understanding of the development of mathematical concepts. The course focuses attention on mathematics learning, techniques, assessment, and resources for the early years.

Three hours a week

424 THEMATIC TEACHING IN THE EARLY YEARS I

This course provides an examination of the processes involved in planning and teaching through themes. Students investigate materials, methods and assessment techniques used in thematic teaching.

PREREQUISITE: Education 432 or 434 or permission of instructor

Three hours a week

425 MATHEMATICS IN THE MIDDLE YEARS I

This course provides an examination of the mathematics curriculum and instructional procedures for teaching mathematics in the middle years. The focus is on the scope and sequence of concepts, activities, materials, teaching strategies and evaluation.

Three hours a week

426 MATHEMATICS METHODS IN THE SENIOR YEARS I

This course focuses on methods of instruction for selected topics that form part of senior years curricula for vocational/academic mathematics.

PREREQUISITE: At least a minor in Mathematics, or permission of instructor

Three hours a week

427 MATHEMATICS METHODS IN THE SENIOR YEARS II

This course is a continuation of Education 426, and builds a conceptual foundation for the topics covered in the senior years curriculum. Emphasis is placed on the critical examination of the current senior years mathematics curriculum in relation to materials and methodologies. Experience in a variety of teaching methodologies is provided in addition to the development of an understanding of the principles and practices of assessment in mathematics.

PREREQUISITE: Education 426

Three hours a week

428 MATHEMATICS IN THE EARLY YEARS II

This course provides pre-service teachers with an opportunity to design effective learning experiences, to enable students in the early years to achieve the key stage outcomes of the Atlantic Provinces Education Foundation Curriculum for Mathematics Grades 1 - 5.

PREREQUISITE: Education 423

Three hours a week

429 MATHEMATICS IN THE MIDDLE YEARS II

This course provides pre-service teachers with an opportunity to design effective learning experiences, to enable students in the middle years to achieve the key stage outcomes of the Atlantic Provinces Education Foundation Curriculum for Mathematics Grades 5 - 9.

PREREQUISITE: Education 425

Three hours a week

431 INTERPERSONAL RELATIONS IN THE CLASSROOM

This course examines: perception and the self; the interpersonal relationship in the facilitation of learning; dimensions of self-fulfilment; the essential skills and the dynamics of creating a helping-learning atmosphere.

Three hours a week

432 LANGUAGE ARTS IN THE EARLY YEARS I

This course provides an examination of the language process based on theories of language acquisition and development. The focus in literacy acquisition is based on the five core strands: reading, writing, listening, speaking and viewing.

Three hours a week

433 LANGUAGE ARTS IN THE EARLY YEARS II

This course is a continuation of Education 432, in which students use language arts goals, materials, methods and assessment techniques to design programs and activities.

PREREQUISITE: Education 432

Three hours a week

434 LANGUAGE ARTS IN THE MIDDLE YEARS I

This course provides an introduction to current theory and conceptual frameworks for language arts, as well as teaching methods associated with teaching language arts in the middle years of school. The focus includes literacy acquisition with core strands of reading, writing, listening, speaking, viewing and representing, with teaching methods that develop a balanced approach to teaching language arts in grades 5-9.

Three hours a week

435 LANGUAGE ARTS IN THE MIDDLE YEARS II

This course is a continuation of Education 434. Students develop an understanding of current language arts theory and practice, with a focus on establishing effective language arts programs for the middle years of school.

PREREQUISITE: Education 434

Three hours a week

436 ENGLISH METHODS IN THE SENIOR YEARS I

The purpose of this course is to familiarize students with methodology, procedures, materials, and curriculum design related to the teaching of English in the senior years. While specific reference is made to the curriculum developed for P.E.I. schools, the issues and topics are broader in scope. Students are expected to become involved in writing, speaking, reading, and listening activities.

PREREQUISITE: At least a minor in English, or permission of instructor

Three hours a week

437 ENGLISH METHODS II

This course is a continuation of Education 436, and builds on a conceptual foundation for the key genres taught in the intermediate and secondary English programs. Emphasis is placed on the theories, materials, methods and assessment techniques used in the intermediate and secondary English programs.

Thematic and cross-curricular uses of literacy are also covered.

PREREQUISITE: Education 436

Three hours a week

438 LITERACY IN THE CURRICULUM

This course will provide a foundation for the use of language in the content areas taught in the senior years. Students will develop competence in their use of language -- reading, writing, listening, and speaking -- through examination and application of psycholinguistic and sociolinguistic theories of language development. A major focus is on content area reading strategies.

Three hours a week

441 INTRODUCTION TO CURRICULUM DEVELOPMENT

This introductory course examines the foundational forces (historical, philosophical, psychological, and societal/cultural) which influence the curriculum, and presents various models for curriculum development. Specific references will be made to the PEI scene.

Three hours a week

443 THEMATIC TEACHING IN THE EARLY YEARS II

This course is a continuation of Education 424, and focuses on resource based learning. Students examine the research on thematic teaching.

PREREQUISITE: Education 424

Three hours a week

444 SCIENCE IN THE MIDDLE YEARS

This course examines methods of science teaching in the middle years. Emphasis is placed on practical aspects of organizing and delivering learning experiences in science as well as reading of current literature on method and theory of science and study of new curricular programs.

Three hours a week

445 SCIENCE IN THE EARLY YEARS

The course examines methods of science teaching in the early years. Emphasis is placed on practical aspects of organizing and delivering learning experiences in science as well as reading of current literature on method and theory of science and study of new curricular programs.

Three hours a week

446 SCIENCE METHODS I

This course provides an introduction to basic pedagogical concepts and skills needed for the successful and effective teaching of science to senior high school students. Using the concepts of general science and the provincial science curriculum, the course examines the nature and limitations of teaching, learning and technology within the Canadian science classroom context.

PREREQUISITE: At least a minor in a Natural Science, or permission of the instructor.

Three hours a week

447 SCIENCE METHODS II

This course examines the development, nature, and limitations of science and technology; the role of science and technology in society; and the teaching of science and technology in the schools. Time is devoted to an examination of the provincial science curricula, and innovative teaching and assessment strategies and techniques.

PREREQUISITE: Education 446

Three hours a week

449 INTRODUCTION TO ABORIGINAL EDUCATION

This course provides preservice and experienced teachers with an opportunity to investigate projects and teaching practices in First Nations and northern schools in Canada.

Three hours a week

451 INTEGRATING ABORIGINAL THEMES IN THE CURRICULUM K–12

This course provides beginning and experienced teachers with an opportunity to examine ways in which curriculum and teaching in the public schools can acknowledge more positively the history, contributions, challenges and prospects of indigenous peoples. The focus is on the integration of First Nations and Inuit themes across the curriculum K–12.

PREREQUISITE: None

Three hours a week

454 SOCIAL STUDIES IN THE EARLY YEARS I

This course examines the learning cycle, activities, and resources for achieving the key stage outcomes of the Atlantic Provinces Social Studies Curriculum and demonstrates how to create a supportive, proactive learning environment in Social Studies from grades 1–5.

Three hours a week

455 SOCIAL STUDIES IN THE MIDDLE YEARS

This course examines the learning cycle, activities, and resources for achieving the key stage outcomes of the Atlantic Provinces Social Studies Curriculum and demonstrates how to create a supportive, proactive learning environment in Social Studies from Grades 5–9.

Three hours a week

456 SOCIAL STUDIES METHODS IN THE SENIOR YEARS I

This course examines the learning cycle, activities, and resources for achieving the key stage outcomes of the Atlantic Provinces Studies Curriculum and demonstrates how to create a supportive, proactive learning environment in Social Studies in grades 9–12.

PREREQUISITE: A major in social studies subjects, or permission of the instructor.

Three hours a week

457 SOCIAL STUDIES METHODS IN THE SENIOR YEARS II

This course develops a rationale, framework and procedures for facilitating thematic teaching within the Social Studies Curriculum for Grades 9–12. Principles and practices of authentic assessment are also addressed.

PREREQUISITE: Education 456

Three hours a week

458 ADULT EDUCATION

This course examines the principles of development and learning in adulthood, and designs appropriate materials for educational programs. Students learn to assess the individual needs of adult learners and to employ effective methods of instruction.

Three hours a week

459 ENTERPRISE EDUCATION

This course introduces students to the principles and methodology of enterprise education. Students learn about the development of enterprise curricula over the last decade, experience first hand the key components of learning for enterprise, and

investigate practical ways of nurturing enterprising attitudes, qualities and skills through the existing school curriculum, kindergarten to grade 12.

Three hours a week

462 INTERNATIONAL EDUCATION

This course introduces students to the economic, political, and cultural factors that influence public education in foreign countries. The public school systems of selected foreign countries are examined and compared to the provincial systems in Canada. Students are expected to carry out independent research on a foreign country of their choosing.

Three hours a week

463 PERSPECTIVES ON CULTURE AND SOCIETY IN EDUCATION

This course introduces students to the role of culture and society in education. Students develop an understanding of culture and social perspectives and an awareness of global issues in education. These issues are explored in a multicultural, aboriginal and international context.

Three hours a week

465 INTERNATIONAL DEVELOPMENT

This course introduces students to the history of international development and explores the models of development currently employed. Particular attention is given to the effects of economic, political, environmental, and cultural development on public education in emerging countries.

Three hours a week

466 PRINCIPLES OF ENGLISH AS A SECOND LANGUAGE

This course examines the teaching of English as a second language. Students acquire an understanding of the theoretical and methodological aspects of learning and teaching in this area.

Three hours a week

467 TEACHING ENGLISH AS A SECOND LANGUAGE

This course is a continuation of Education 466, and is for teachers who wish to acquire expertise in teaching English as a second language. Students develop and select appropriate teaching resources and explore appropriate methodology.

PREREQUISITE: Education 466

Three hours a week

468 SCHOOL AND COMMUNITY

This course examines the historical and cultural roles of the rural school. Emphasis is placed on the evolving role of the school as a community resource centre.

Three hours a week

471 ADMINISTRATION IN EDUCATION

This course is an introduction to the theory and practices of administration in education which includes an analysis of the nature of school organizations, effective administrative processes, the administrative structure of education on PEI, and legal issues in administration.

PREREQUISITE: Permission of the instructor

Three hours a week

472 SUPERVISION IN EDUCATION

This course is an introduction to the theory and practice of supervision in education which includes a study of instructional leadership, effective supervisory styles, the change process,

approaches to evaluation, and staff development.

PREREQUISITE: Permission of the instructor

Three hours a week

473 COMMUNICATIONS

An introductory course covering both interpersonal and group communication, aimed at teaching the student to think and to express ideas in lucid and well-defined terms. The emphasis will be on the workshop approach involving constant practice in the techniques of voice and speech, public speaking, classroom drama, and creative movement. This should encourage in the students a flexible and resourceful attitude, and help them to develop self-confidence, together with the awareness and sensitivity needed for teaching.

Three hours a week

474 TECHNOLOGY IN EDUCATION

This course provides an introduction to the integration of digital technologies into teaching and learning. The focus is on use of technology as a tool to support the school curriculum. Web-based communication and work with web-based resources is an essential component.

Three hours a week

475 ADVANCED TECHNOLOGY IN EDUCATION

This course provides an opportunity to explore, develop and post web-based resources. Digital photography, digital video, and other emerging technologies are explored and applied within the educational context.

PREREQUISITE: Education 474 or permission of instructor.

Three hours a week

476 FRENCH METHODS I

In this course, students explore the curriculum and teaching of core French in the intermediate and secondary schools. Students develop a variety of teaching methodologies in the area of core French.

PREREQUISITE: At least a minor in French, or permission of instructor.

Three hours a week

477 FRENCH METHODS II

This course is a continuation of Education 476, and emphasizes relevant assessment methods and research pertinent to the teaching of core French in the intermediate and secondary schools.

PREREQUISITE: Education 476

Three hours a week

478 TEACHING FRENCH AS A SECOND LANGUAGE IN THE ELEMENTARY SCHOOL

This course serves as an initiation to the theory and methodology of teaching French as a second language in the Canadian context (core or immersion). Special attention is given to the curriculum in PEI schools. This course is conducted entirely in French.

Three hours a week

481 STATISTICS IN EDUCATION

This course is an introduction to descriptive and inferential statistics required to understand, interpret, express, and evaluate the results of measurement in education. Topics included are frequency distributions, histograms, frequency polygons, mean, median for grouped and raw data, normal distributions, standard deviation, normal approximation of a binomial random variable, random sampling and sampling distributions, estimation of means, confidence intervals, student distribu-

tion, small and large samples, one- and two-tail tests of hypotheses, correlation and regression, Chi-square test, analysis of variance.

Three hours a week

482 ASSESSMENT AND EVALUATION

The main focus of this course is on the development of a comprehensive and systematic evaluation process needed to assess the wide array of learning outcomes stressed in public school education. The interrelationship of evaluation with effective teaching and learning is emphasized. Characteristics and uses of a variety of assessment techniques, such as observation, checklists, rating scales, teacher-made tests, and standardized tests, are discussed.

PREREQUISITE: Education 481 or equivalent, or permission of instructor

Three hours a week

483 RESEARCH IN EDUCATION

This course examines the nature of research in Education, reviews various stages in the research process, and develops educational research skills. Students design and conduct a research project on an educational issue of interest.

PREREQUISITE: Education 481 or equivalent, or permission of instructor

Three hours a week

484 LITTÉRATIE EN LANGUE SECONDE (1 A 8)

This course explores the general pedagogical principles and techniques of literacy development in French immersion at the primary and elementary levels. Using materials available in schools and applying appropriate methods and assessment techniques, students design programs and activities based on the learning outcomes in the Atlantic Provinces Education Foundation French Immersion Curriculum. This course is taught entirely in French and all assignments are completed in French.

PREREQUISITE: Students must have completed at least six courses (18 credit hours) in French studies in a recognized university program or the student must have been educated in a francophone university for at least two years. Students in this course must also meet the minimum standard, as determined by the Faculty of Education, on a French proficiency test administered before admission to the program.

485 PEDAGOGIE EN IMMERSION: LES PRINCIPES DE BASE

This course explores the general pedagogical principles and techniques of content-based teaching in French Immersion at all levels. Topics covered include development of language skills, thematic teaching in immersion, integrating form and content in immersion, and strategy instruction in immersion. This course is taught entirely in French and students are required to complete all assignments in French.

PREREQUISITE: Students must have completed at least six courses (18 credit hours) in French studies in a recognized university program or have been educated in a francophone university for at least two years. Students must also meet the minimum standard, as determined by the Faculty of Education, on a French proficiency test administered before admission to the program.

486 DIDACTIQUE DU FRANCAIS LANGUE SECONDE: UNE INTRODUCTION

This course explores the general pedagogical principles and techniques of communicative-experiential teaching in core and immersion French programs at all levels. Topics covered

include three-stage lesson planning, personalisation, pedagogical grammar, and culture teaching. This course is taught entirely in French and students are required to complete all assignments in French.

PREREQUISITE: Students must have completed at least six courses (18 credit hours) in French studies in a recognized university program or have been educated in a francophone university for at least two years.

487 L'ACQUISITION DES LANGUES SECONDES

This course explores students' past experiences and beliefs about language learning and teaching, principal theories related to second language acquisition, and practical applications of theory to classroom contexts in French Immersion and core French at all levels. This course is taught entirely in French and students are required to complete all assignments in French.

PREREQUISITE: Students must have completed at least six courses (18 credit hours) in French studies in a recognized university program or have been educated in a francophone university for at least two years or with instructor's permission.

491 SOCIOLOGY OF EDUCATION

This course involves an analysis of the reciprocal relations between school and society. It examines the influence of political and economic structures in shaping the education systems of various societies, as well as the relevance of different types of schooling in facilitating political and economic participation and cultural enrichment. Empirical attention is given to societies at various levels of general development, with particular emphasis on Canada.

PREREQUISITE: A university degree or two courses in Sociology and at least Third year status or permission of the instructor

Three hours a week

495 INTRODUCTION TO TEACHING AND SCHOOL EXPERIENCE

This is a practicum-based course in which students develop an understanding of lesson planning, curriculum and classroom life. The course includes a weekly seminar and four weeks of school experience.

Three hours a week

496 GENERAL TEACHING METHODS AND SCHOOL EXPERIENCE

In this course, students acquire basic teaching strategies through seminars and school experience. Students reflect on their classroom experiences and develop ongoing teaching improvement plans. This course includes a weekly seminar and six weeks of school experience.

PREREQUISITE: Education 495

Three hours a week

497 ISSUES IN TEACHING AND SCHOOL EXPERIENCE

In this course, students explore current educational issues. Students develop problem-solving techniques in classroom settings, which form the basis for classroom management. This course includes a weekly seminar and five weeks of school experience.

PREREQUISITE: Education 496

Three hours a week

498 ALTERNATIVES IN TEACHING AND SCHOOL EXPERIENCE

In consultation with the faculty, students choose an area, other than their area of concentration, in which to gain greater depth

of knowledge and practice. This course includes a weekly seminar and school experience.

PREREQUISITE: Education 497

Three hours a week

GRADUATE CERTIFICATE PROGRAMS

502 METHODOLOGY AND REMEDIATION IN LANGUAGE ARTS

This course provides specific instruction on methods and approaches to teaching remedial language arts (reading, composing, spelling, handwriting). Students examine and use a variety of resource material that is particularly helpful in remedial instruction.

Three hours a week

504 TEACHING STUDENTS WITH EMOTIONAL DISORDERS

This course is designed to help teachers with planning effective programs for students with emotional disorders. Curriculum and methodology is emphasized. Teachers are actively involved in designing learning activities and teaching strategies.

Three hours a week

505 TEACHING CHILDREN WITH GIFTED ABILITIES

This course assists teachers with planning effective programs for gifted and talented pupils. Curriculum and methodology are emphasized. Teachers are actively involved in designing learning activities and teaching strategies.

Three hours a week

507 TEACHING CHILDREN WITH INTELLECTUAL DISABILITIES

Students examine the intellectual and behavioural characteristics of learners with intellectual disabilities. Special emphasis is given to diagnostic procedures and educational programming.

Three hours a week

508 TEACHING CHILDREN WITH PHYSICAL DISABILITIES

Teachers gain an overview of the physical, social, and cognitive characteristics of children with physical disabilities. The major focus is on educational programming for children with physical disabilities within the regular classroom setting.

Three hours a week

509 TEACHING CHILDREN WITH SENSORY IMPAIRMENTS

This course considers educational provisions for students with visual and auditory impairments. Teachers are introduced to the social and learning characteristics of these learners. Educational programming for students enrolled in regular classes is emphasized.

Three hours a week

511 REMEDIAL INSTRUCTION IN LANGUAGE ARTS AND MATHEMATICS

The purpose of this course is to provide specific instruction on methods and approaches to teaching remedial language arts (reading, composing, spelling, handwriting), and mathematics. Students examine and use a variety of resource material that have proven to be particularly helpful in remedial instruction.

513 COMMUNICATING WITH PARENTS OF CHILDREN WITH EXCEPTIONALITIES

Students study a number of models of parent-professional relationships, and examine the psychological and social impact that children with exceptionalities have on their families. Students also examine and develop the interpersonal skills necessary for an effective parent-teacher relationship. Three hours a week

514 TEACHING ADOLESCENTS WITH SPECIAL DEVELOPMENTAL/LEARNING NEEDS

Students examine the characteristics of adolescents with special learning and developmental needs. Students explore a variety of innovative methods, curriculum, and procedures currently in use in innovative intermediate and secondary schools. Three hours a week

515 COUNSELLING THEORIES AND TECHNIQUES FOR TEACHERS WORKING WITH CHILDREN WITH EXCEPTIONAL NEEDS

Students develop a broad overview of the counselling theories and skills needed for working with children having special learning needs. Specific attention is paid to the emotional and social needs of children with exceptional needs, and students develop a set of specific skills found useful in working with children with exceptional needs. Three hours a week

559 SPECIAL TOPICS IN INCLUSIVE EDUCATION

In this course, students investigate special topics that have particular reference to the field of inclusive education. Each student is expected to carry out research on a topic of his/her choice. Three hours a week

561 THE ADULT LEARNER

This course provides an overview of adult development and learning. General topics addressed include cognitive, socio-emotional, and physical development of adult learners. Aspects of learning and development that have particular reference to program development and delivery are discussed. Three hours a week

562 SOCIOLOGY OF ADULT EDUCATION

This course examines the social and political structures that have an impact on adult education. Students explore the influence of these structures in shaping public policy on adult education, and discuss their significance for program development and implementation. Three hours a week

563 PROGRAM DEVELOPMENT AND IMPLEMENTATION

This course introduces students to the theory and practice of program planning, implementation, and maintenance. Students learn to assess learners' needs, set objectives, plan methods and resources, implement program plans, and evaluate outcomes. Three hours a week

564 ISSUES IN ADULT EDUCATION

This course introduces students to current issues in, and changing perceptions of adult education. Socio-economic, political, and technological trends are discussed with reference to their impact on adult education. Students examine the literature on innovative models that respond to the challenges

presented by these trends. Three hours a week

565 EDUCATIONAL TECHNOLOGY AND THE ADULT LEARNER

This course examines the integration of information technology in program planning and implementation. Special attention is given to the research base on effective uses of resources such as: Internet and World Wide Web resources, CD-ROMs, Computer Assisted Instructions (CAI), e-mail, Listservers, and commonly used technology for distance learners. Three hours a week

566 ASSESSMENT OF ADULT LEARNING

This course examines general principles of assessment. Students develop practical experience in designing and implementing strategies for identifying learners' needs and assessing learning outcomes. Three hours a week

568 COUNSELLING THE ADULT LEARNER

This course introduces students to the socio-emotional development of adult learners, and explores the principles of providing vocational and personal counselling. Students gain practical experience in using a variety of counselling techniques. Three hours a week

569 PRINCIPLES OF ADULT EDUCATION

This course is an introduction to the philosophical, sociological, and historical foundations of adult education and their effects on curriculum development and delivery. Trends in adult education in Canada and other countries are also examined. Three hours a week

571 (formerly 531) THE SCHOOL LIBRARY RESOURCE CENTRE

This course introduces students to the role, philosophy, and administration of the school library resource centre and to the role of the teacher-librarian. Three hours a week

572 INFORMATION LITERACY AND THE SCHOOL LIBRARY

This course explores the meaning of information literacy and how it is developed within the school library programs. Students will learn about the inquiry process, the effective use of digital and traditional learning resources, as well as how teacher-librarians and classroom teachers collaborate to teach information literacy. Three hours a week.

573 (formerly 526) CHILDREN'S LITERATURE IN EDUCATION

An introduction to, and survey of, children's literature with emphasis on contemporary books written for children. These include picture books, fiction, and nonfiction with special consideration of Canadian titles. Students examine, read, evaluate, and discuss different forms of literature and various genres of fiction, as well as the ways children's literature is integrated into contemporary school curriculum. Three hours a week

574 (formerly 527) YOUNG ADULT LITERATURE

An introduction to, and survey of, young adult literature with emphasis on contemporary books written for adolescents. These include picture books, fiction, and nonfiction with special consideration of Canadian titles. Students read, evalu-

ate, and discuss many young adult books and explore the ways young adult literature is integrated into contemporary school curriculum.

Three hours a week

575 (formerly 523) ORGANIZATION AND MANAGEMENT OF LEARNING RESOURCES

This course introduces students to the principles of cataloguing, subject analysis, and classification of a wide range of learning resources, as well as to the services of the Provincial Library Processing Centre. Consideration is also given to computerized, automated systems for organizing, establishing, and maintaining various kinds of information files.

Three hours a week

576 (formerly 528) SCHOOL LIBRARY COLLECTION DEVELOPMENT

This course provides opportunities to consider basic principles of analysis, appraisal, and review of learning resources. Students apply these in the development of criteria for evaluating and selecting a wide range of both print and non-print learning resources, and to formulate policies and procedures for the selection of learning resources to support the instructional program in the school.

Three hours a week

581 (formerly 553) THE INCLUSIVE CLASSROOM

Teachers examine the emergence of inclusive education and explore the history of services to children with special needs and attitudes teachers bring to the classroom. Recent research and practice in inclusive education is explored by the students.

Three hours a week

582 (formerly 554) ASSESSMENT OF INDIVIDUAL LEARNERS

Teachers are introduced to individualized educational assessment of children with learning needs and become familiar with a variety of assessment tools and their implementation.

Three hours a week

583 (formerly 556) DIFFERENTIATION AND INDIVIDUALIZED INSTRUCTION

This course is developed to introduce teachers to differentiation of curriculum and a variety of teaching methods for learners with exceptional needs. Teachers will understand the components and the implementation of an individualized educational play.

Three hours a week

584 (formerly 558) LEADERSHIP AND COLLABORATION

Teachers explore inclusive teaming and classroom consultation as methods to promote inclusive education. Leadership traits required to facilitate the development of an inclusive school is also explored.

Three hours a week

585 IMPROVING LANGUAGE AND LITERARY ACHIEVEMENT

This course looks at strategies teachers can employ to develop language and literacy skills in the students in their classrooms. Current research in this area is presented and critiqued.

Three hours a week

595 SPECIAL TOPICS IN ADULT EDUCATION

Students investigate special topics that have particular reference to the field of adult education. Each student is expected to

carry out research on an approved topic of his/her choice.

Three hours a week

596 SEMINAR AND PRACTICUM IN INCLUSIVE EDUCATION

Students, under the supervision of Special Education personnel, assess the strengths and limitations of children with special needs, and prescribe and carry out programs of remedial instruction. A "Pass" or "Fail" grade will be awarded for this course.

Engineering

www.upei.ca/~engineer/

Engineering Faculty

Don MacEwen, Professor, Chair

Wayne Peters, Associate Professor

Andrew Trivett, Associate Professor

ENGINEERING DIPLOMA PROGRAM

All candidates should seek the advice of the Engineering Department for the choice of courses that will best suit the requirements of the Institution at which the degree work will be completed.

First Year

Mathematics 151-152

Physics 111-112

Chemistry 111-112

English 101

Engineering 121-122

2 Electives

Second Year

Mathematics 251-252

Physics 211

Engineering 221-222

Engineering 231

5 Electives

Third Year

Mathematics 301

Engineering 311-312

Engineering 321

Engineering 332

Engineering 341

Engineering 352

4 Electives

BACHELOR OF SCIENCE WITH A MAJOR IN MATHEMATICS FOR ENGINEERING DIPLOMA STUDENTS

See Mathematics and Statistics section.

BACHELOR OF SCIENCE WITH A MAJOR IN PHYSICS FOR ENGINEERING DIPLOMA STUDENTS

See Physics section.

ENGINEERING COURSES

111 SURVEYING

This course provides an introduction to geomatics; the theory,

use and care of surveying instruments; field methods; data analysis for determining distance, direction, elevation, and position; manual and computer applications in profile, contour, traverse and topographical mapping; horizontal and vertical curves; earthwork and construction applications; Geographic Information Systems (GIS); Global Positioning Systems (GPS); aerial photos and photogrammetry. A survey camp is completed during the first six weeks.

PREREQUISITE: Grade XII academic Mathematics. Must have completed or be concurrently taking Engineering 121 or have permission of the instructor.

Three hours lecture per week

121 ENGINEERING DESIGN AND GRAPHICS I

This course stresses the importance of creativity in engineering. Engineering design, teamwork and modern computer graphics are used in technical applications such as 3-D visualization, Robotics, instrument drawing, multiviews, isometrics, pictorials, assembly drawings, and crosssections.

Three hours lecture, three hour laboratory a week

PREREQUISITE: Grade XII academic Mathematics or permission of the instructor.

122 ENGINEERING DESIGN AND GRAPHICS II

This course introduces descriptive geometry with topics such as: spatial relationships of points, lines and planes. Geometrical transformations and CadCam are introduced. An integral part of the class is a design project, focussed on design as the essence of engineering, the process of design and reporting.

Three hours lecture, three hour laboratory a week

PREREQUISITE: Engineering 121 or permission of the instructor.

211 GEOLOGY I

This course is a study of the physical and historical geology covering materials of the earth, geological structures, processes, mineral deposits, erosion, and a history of the earth and its inhabitants.

Three hours a week, up to three field trips of varying duration

PREREQUISITE: Second-year standing in the Engineering Program or permission of the instructor

212 GEOLOGY II

This course is a continuation of Engineering 211 with a focus on materials of the earth, environmental geology and geothermal resources as they relate to engineering.

Three hours a week, up to three field trips of varying duration

PREREQUISITE: Engineering 211 or permission of the instructor

221 STATICS I

This course focuses on the equilibrium conditions for the state of rest of rigid bodies subject to forces. Topics to be discussed include vector operations, equilibrium conditions for particles, free-body diagrams, moments and couples, equivalent systems, distributed loadings, equilibrium conditions for rigid bodies, support reactions, frame and machine analysis, and truss analysis.

PREREQUISITE: Engineering 122 and Math 152 or permission of the instructor

Three hours lecture

Three hours problems/design lab per week

222 STATICS II

This course focuses on additional topics in rigid body equilibrium intended to build on the concepts covered in Engineering 211. Topics to be discussed include: centroids, moments of

inertia, and products of inertia of regular and composite areas, graphical methods of shear and bending moment diagrams and Mohr's circle, and friction.

PREREQUISITE: Engineering 221 or permission of the instructor

Three hours lecture

Three hours of problems/design lab per week

231 COMPUTER PROGRAMMING WITH ENGINEERING APPLICATIONS

This course is a study of computer programming as it relates to engineering. Topics include problem solving, algorithm design, software standards, operating systems, computer components, data types, control structures, repetition, loops, nested structures, modular programming and arrays. Various programming languages are used.

PREREQUISITE: Second year standing in the Engineering Program or permission of the instructor

Three hours a week lecture, one hour laboratory or tutorial per week

NOTE: Credit will be allowed for only one of CS 151 and Engineering 231.

241 INTRODUCTION TO PROFESSIONAL PRACTICE AND ETHICS

This course introduces students to the roles and responsibilities existing between Professional Practice and Ethics and Society. Topics include: professional engineering, professional practice, engineering education, communication skills, ethics, social impacts, institutional structures, tort law and contracts.

PREREQUISITE: Second year standing in the Engineering program or permission of the instructor

Three hours of lecture and two hours of lab per week

311 STRENGTH OF MATERIALS

This course is an introduction to the study of stress, strain and deformation of a solid body subjected to static forces. Topics include elastic and plastic stress, strain, Mohr's circle, torsion, behaviour of beams and columns. Computer applications are used.

PREREQUISITE: Engineering 222 or permission of the instructor

Three hours lecture and two hours problem/design lab per week

312 MATERIALS SCIENCE

This course is an introduction to the properties and behaviour of engineering materials. Topics include atomic structure and bonding, crystalline structures, deformation, metallic structures, hardening and annealing, phase diagrams, ceramics, polymers, composites, electrical and optical properties. Computer applications are used.

PREREQUISITE: Engineering 222 and Engineering 311, or permission of the instructor

Three hours lecture and two hours problem/design lab per week

321 DYNAMICS

This course is a study of mechanics concerned with the state of motion of rigid bodies that are subject to the action of forces.

The course considers the kinematics and kinetics of motion applied particles and rigid bodies particularly as it relates to engineering applications and design. Topics include rectilinear and curvilinear motions, normal and tangential coordinates, dependent motion, Newton's Laws of Motion, energy and momentum methods.

PREREQUISITE: Engineering 222 and Math 252 or permission of the instructor

Three hours a week and two hours problem/design lab per week

332 THERMODYNAMICS

This course is designed to provide the student with a basic understanding of the fundamental concepts and principles of thermodynamics (first and second laws) and the application of these principles to engineering problems. Topics included are: the nature and forms of energy; basic concepts of systems, properties, states and processes; energy transfer as work and heat; energy and The First Law of Thermodynamics; entropy and The Second Law of Thermodynamics; and heat engine cycles. The analysis of various systems for power generation or refrigeration is also included.

PREREQUISITE: Engineering 222 and Math 252 or permission of the instructor

Three hours lecture and two hours problem/design lab per week

341 ELECTRIC CIRCUITS I

This course is a study of topics such as Ohm's laws, Kirchoff's laws, equilibrium, equations, Thevenin's and Norton's theorems.

PREREQUISITE: Physics 212 and Mathematics 252 or permission of the instructor

Three hours a week

342 ELECTRIC CIRCUITS II

This course is a continuation of Engineering 341 which covers topics such as transient circuits, sinusoidal steady state response, complex impedance, complex frequency, magnetically coupled circuits, two port networks, Fourier series and Fourier transforms, Laplace transforms, filters, Bode and Polar plots.

PREREQUISITE: Engineering 341 or permission of the instructor

Three hours a week

352 FLUID MECHANICS

This course provides the student with a basic understanding of the fundamental concepts and principles of fluid mechanics and the application of these principles to engineering problems. Topics include characteristics and properties of fluids, static pressure fields, forces on submerged bodies, kinematics of fluid flow, energy and power of fluid flow, momentum analysis, dimensional analysis, Reynolds number and incompressible pipe flow.

PREREQUISITE: Engineering 222 or permission of the instructor

Three hours a week and two hours problem/design lab per week

362 ENGINEERING FINANCE

This course provides students with the fundamentals of engineering economics and finance in the context of professional engineering practice. Topics include the time value of money, project screening, cost estimation, and discounting analysis techniques. Economic analysis of depreciation, maintenance, replacement and upgrading and the impact of taxes, inflation and time on infrastructure development. Relevant software and projects are used.

PREREQUISITE: Third year standing in the Engineering Program or permission of the instructor

Three hours lecture, three hours laboratory a week

481-482 DIRECTED STUDIES IN ENGINEERING

Available to advanced engineering students at the discretion of the department. Entry to the course, course content, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department and the Dean of the Faculty. (See Academic Regulation 9 for Regulations Governing Directed Studies.)

491-492 SPECIAL TOPICS IN ENGINEERING

This course provides students with an opportunity to pursue special topics in engineering. The course content and its offering in any one semester will be at the discretion of the Department. Interested students should contact the Department to confirm the details of the course and its offering.

PREREQUISITE: Permission of the instructor

English

www.upei.ca/english/

English Language and Literature Faculty

Frank Ledwell, Professor Emeritus

Brendan O'Grady, Professor Emeritus

Terry Pratt, Professor Emeritus

John Smith, Professor Emeritus

Geoffrey Lindsay, Associate Professor and Chair

Elizabeth Epperly, Professor

Irene Gammel, Professor

Richard M. Lemm, Professor

Catherine Innes-Parker, Associate Professor

Brent MacLaine, Associate Professor

Shannon Murray, Associate Professor

Wendy Shilton, Associate Professor

Greg Doran, Assistant Professor

Anne Furlong, Assistant Professor

Jane Magrath, Assistant Professor

Esther Wohlgenut, Assistant Professor

Ron Irving, Adjunct Professor

Lesley-Anne Bourne, Lecturer

Ann Boyes, Sessional Lecturer

Julie Dennison, Sessional Lecturer

Kay Diviney, Sessional Lecturer

Alan Harrington, Sessional Lecturer

Anna Hopkins, Sessional Lecturer

Deirdre Kessler, Sessional Lecturer

Jane Ledwell, Sessional Lecturer

Blythe MacInnis, Sessional Lecturer

Linda Meggs, Sessional Lecturer

Catherine Mullally, Sessional Lecturer

Lisa Parent, Sessional Lecturer

Gerald Wandio, Sessional Lecturer

PREAMBLE

The English Majors and Honours program encourages students to explore the diverse body of literature in English from a variety of perspectives. Course content and critical approaches range across the discipline and include historical, theoretical, interdisciplinary and genre studies. The program also offers courses in creative writing and linguistics. Students may expect to gain both a sound background in the history of the English language and literature, and a familiarity with the most recent developments in literary practice and scholarship.

The curriculum is designed to encourage a progressive acquisition of literary skills. As students earn their degree through their four years, they will progress from introduction to,

through development in, toward mastery of, the following: (a) elements of the English language; (b) the research essay; (c) critical reading and literary theory; (d) the terminology of the discipline; (e) knowledge of the periods of literary history; (f) verbal presentations. In order for students to understand the goal of sequencing of courses and skills acquisition, the Department offers the following general descriptions for courses at four levels:

- (i) 100-level courses: Introduction
- (ii) 200-level courses: Foundation
- (iii) 300-level courses: Coverage
- (iv) 400-level courses: Focus

COURSE LEVELS AND PREREQUISITES

(i) Courses at the 100 level are introductory courses that provide a basic framework for critical reading and writing at university. English 101 is a prerequisite for English courses above the 100 level. English 192 and 195 are general introductions to literature, taught from a variety of perspectives. Detailed descriptions of each year's courses will be available in the Department's Calendar Supplement.

(ii) Courses at the 200 level are either general interest courses or foundational courses that develop the skills necessary for further study in English. The prerequisite for 200-level courses is English 101 or permission of the instructor. English 201 and 202 are required courses for a major, minor, or honours English degree. They are also prerequisites for many 300-level English courses.

(iii) Courses at the 300 level provide detailed study of areas of language and literature. The prerequisites for these courses are (a) English 101, and (b) at least one 200-level English course, or permission of the instructor. Some courses require specific 200-level courses.

(iv) Courses at the 400 level are designed to give students the opportunity for advanced study of a chosen topic within a specific area of English language or literature. The classes are usually seminars that require active participation and independent study. Students must have completed at least one 300-level course before enrolling in a 400-level course.

All students are reminded that English 101 and one other English course are university prerequisites for graduation. Note: English 203 (Practical Grammar) and English 381 (Professional Writing) may not be used to fulfil the second English requirement.

REQUIREMENTS FOR HONOURS IN ENGLISH *(Awaiting Senate approval)

ADMISSION

The permission of the English Department is required before a student enrolls in Honours English. The admission requirement is an overall average of at least 75% in all prior English courses. Admission to the program will be competitive, and because the demand for the program will likely exceed the resources available at the Department, not all applicants who meet the formal admission requirements will be accepted into the Honours program.

PREREQUISITES

English 101; 201, 202, and 204

COURSE REQUIREMENTS

An Honours English student must complete 126 semester hours of credit, including the prerequisite courses and the following minimal requirements in English:

Medieval Literature.....	3 hours
Shakespeare and one other Renaissance course.....	6 hours
Eighteenth-Century British Literature	3 hours
Nineteenth-Century British Literature.....	3 hours
Modern and Contemporary Literature.....	6 hours
Canadian Literature.....	3 hours
American Literature.....	3 hours
English Language and Linguistics.....	3 hours
Literary Theory	3 hours
A Seminar or fourth-year Advanced Topics course (or a Tutorial chosen in consultation with the Department Chair).....	3 hours
Graduating Essay (see below)	6 hours
Three additional English courses, at least one of which must be on British Literature before 1900	9 hours

REQUIREMENTS FOR A MAJOR IN ENGLISH

Prerequisites: English 101, 201 and 202

I. Required Courses

Students must take at least 3 semester hours from each of the following areas:

Medieval Literature
Renaissance Literature other than Shakespeare
Shakespeare
Eighteenth-Century Literature
Nineteenth-Century Literature
Twentieth-Century Literature or Contemporary Literary
Theory
(Canadian Literature is strongly recommended)

II. English Language and Linguistics (3 semester hours)

III. English Electives (18 semester hours)

In addition to the required courses, students choose six other English courses, at least three of which must be at the 300 and 400 levels. For guidance in the choice of electives, please consult the Department's Calendar Supplement or the Department Chair.

REQUIREMENTS FOR A MINOR IN ENGLISH

Students in the English Minors program complete English 201 and 202, and at least five other English courses above the 100 level as electives, two of which must be at the 300 or 400 level. Students are encouraged to choose those electives in consultation with the Department Chair or Minors Co-ordinator.

ADVANCED STUDIES

Advanced Studies courses are designed to give students the opportunity for in-depth study of a chosen topic within a specific area of English language or literature. The classes are usually seminars that require active participation and independent study. They may be devoted to a major author, a group of authors, thematic or stylistic developments, or critical or theoretical concerns. Detailed descriptions of each year's Advanced Studies courses will be available in the Department's Calendar Supplement.

ENGLISH COURSES

101 ACADEMIC WRITING

(Offered every semester)

This course offers an introduction to university writing and rhetoric, aimed at the development of clear, critical thinking and an effective prose style.

Three hours a week

NOTE: THIS COURSE IS A GRADUATION REQUIREMENT FOR ALL UNDERGRADUATE STUDENTS EXCEPT DVM AND Bed CANDIDATES.

192 INTRODUCTION TO LITERATURE

(Offered every semester)

This course introduces the major literary genres and focuses upon a selection of representative works. Students explore and discuss the elements of poetry, fiction, and drama. Class work involves lectures and discussions, with a special emphasis on writing assignments.

Three hours a week

195 INTRODUCTION TO DRAMA

This course introduces the genre of drama. Students explore the elements and effects of dramatic works, and the historical development and roles of drama and the theatre. Class work involves lectures and discussions, with a special emphasis on writing assignments.

Three hours a week

201 SURVEY OF LITERATURE FROM ITS BEGINNINGS TO 1785

This course introduces students to English Literature from the Old and Middle English periods to about 1785. Students read works by such writers as the Beowulf poet, Chaucer, Spenser, Sidney, Shakespeare, Wroth, Donne, Milton, Pope, Swift, and Johnson. This is a course in reading, appreciation, and critical analysis within an historical framework.

PREREQUISITE: English 101 or permission of the instructor
Three hours a week

202 SURVEY OF LITERATURE FROM 1785 TO THE PRESENT

This course introduces students to English Literature from the British Isles, Ireland and North America, from the Romantic period to the present. Students read works by such writers as Blake, Wordsworth, the Shelleys, Tennyson, the Brownings, Joyce, Eliot, and Woolf. This is a course in reading, appreciation, and critical analysis within an historical framework.

PREREQUISITE: English 101 or permission of the instructor
Three hours a week

203 PRACTICAL GRAMMAR

This course offers intensive practical study of the principles of Standard Written English. Students begin by examining parts of speech and build from that foundation toward a solid understanding of all practical elements of grammar, punctuation, usage, and style.

NOTE: English 203 does not fulfil the University's second English requirement.

Three hours a week

204 RESEARCH METHODS IN ENGLISH

This course deals with practical and theoretical issues in finding and using standard bibliographic and electronic sources for scholarly research in English literature and language and related disciplines. This course is compulsory for English Honours students and strongly recommended for English Majors.

PREREQUISITE: English 101 and one other English course, or permission of the instructor

Three hours a week

206 CRITICAL APPROACHES TO TEXTS I

This course approaches literary and cultural texts through a number of critical lenses including reader response, Marxism, feminism, historicism, psychoanalysis, and deconstruction. The course is designed to introduce students to a variety of critical approaches to the interpretation of literary and cultural texts.

Three hours a week

211 CONTINENTAL LITERATURE IN TRANSLATION

This course introduces students to poems, plays, novels, and short stories taken from a variety of eras from the ancient to the contemporary in continental European literature. Authors whose translated works may be read include such figures as Homer, Sophocles, Virgil, Dante, Cervantes, Montaigne, Goethe, Dostoevsky, Baudelaire, Ibsen, Kafka, and Brecht.

Three hours a week

212 CREATIVE WRITING I

This workshop in creative writing provides students with the opportunity to develop their proficiency in writing fiction, poetry, drama, or creative non-fiction. Students produce and revise new material and present these manuscripts to the workshop. Class time is devoted to discussion of students' manuscripts and published texts and to strategies and structures involved in writing them.

PREREQUISITE: Submission of a portfolio (e.g., 5-10 pages of poetry, 10-20 pages of fiction or scriptwriting, or 10-20 pages of creative non-fiction); and permission of the instructor
Three hours a week

213 LITERATURE AND THE BIBLE

This course explores the influence of the Bible on English Literature from the Old English period to the present, through the study of texts such as *The Dream of the Rood*, the Medieval cycle plays, *Paradise Lost*, *Absalom and Achitophel*, *Pilgrim's Progress*, *Frankenstein*, and *Not Wanted On the Voyage*.

Three hours a week

221 WRITING BY WOMEN

Students explore a wide range of writing by women—poems, plays, novels, short stories, essays—in the context of historical and social concerns. The course normally concentrates on British, American, and Canadian women writers of the nineteenth and twentieth centuries, but in some semesters may concentrate on women writers from other centuries and cultures.

Cross-listed with Women's Studies (cf. Women's Studies 221)
Three hours a week

231 INTRODUCTION TO THEATRE -- PART I

See Theatre Studies 231

232 INTRODUCTION TO THEATRE -- PART II

See Theatre Studies 232

245 (formerly 353) INTRODUCTION TO CHILDREN'S LITERATURE

This course traces the development of literature for children, including the folktale tradition, a survey of children's literature before 1850, and some examples of children's literature after Alice's Adventures in Wonderland.

Three hours a week

255 (formerly 462) INTRODUCTION TO SHAKESPEARE

This course introduces students to the study of Shakespeare's plays through a focus on his tragedies and romances. Attention is paid both to the text and to the performance of the plays.

Three hours a week

272 (formerly 334) CONTEMPORARY POETRY

This course is a study of poetic directions since 1960, exploring the work of British, Irish, and North American poets such as Larkin, Lowell, Hughes, Heaney, Atwood, Ginsberg, Plath, Hecht, and Rich.

Three hours a week

275 (formerly 373) ARTHURIAN LITERATURE THROUGH THE AGES

This course introduces students to the Arthurian legend as it is re-told through the ages. The course will begin with the origins of the Arthurian myth in Welsh legend, and trace it from the golden age of Medieval romance through to the twentieth century.

Three hours a week

281 THE ENGLISH LANGUAGE

This course introduces students to the nature of language by exploring the factors that shape Present-Day English. Students will cover the basic principles of linguistics, and a brief history of the language. Topics may include languages as structured systems; dialects of English (with an emphasis on Atlantic English); gender and language; the acquisition of language; and human and animal communication. Classes combine lecture, group work, discussion, and practical exercises.

Three hours a week

285 (formerly 401) LINGUISTICS I: THE SOUND SYSTEM OF ENGLISH

This course introduces students to the phonetics and phonology of contemporary English for the purpose of studying the sound patterns of English, and acquaints them with the analysis of syllable structure, rhythm and intonation, and stress. Classes combine lecture, group work, discussion, practical exercises, transcription, and problem solving.

Three hours a week

286 (formerly 402) LINGUISTICS II: THE GRAMMAR AND VOCABULARY OF ENGLISH

This course introduces students to the syntax and morphology of contemporary English. The course will investigate the principles of word formation (morphology), and of the formation of phrases and sentences (syntax). Class activities include lectures, group work, discussion, practical exercises, sentence analysis and problem solving.

Three hours a week

291 TRENDS IN LITERATURE

This variable content course is designed to accommodate trends in literature and literary studies. It is a general course suited to non-English majors, with a focus on particular themes, writers, or approaches. Course descriptions are published in the English Department's Calendar Supplement.

Three hours a week

301 THE NEW ENGLISH LITERATURES OF AFRICA AND THE CARIBBEAN

This course considers the development of post-colonial African and Caribbean national and regional literary cultures

within their historical contexts. Students explore works by established and newer authors.

Three hours a week

302 THE NEW ENGLISH LITERATURES OF AUSTRALIA, NEW ZEALAND, AND THE INDIAN SUBCONTINENT

This course considers the development of post-colonial national and regional literary cultures of Australia, New Zealand, and the Indian subcontinent within their historical contexts.

Students explore works by established and newer authors.

Three hours a week

303 CONTEMPORARY DRAMA

This course examines recent and current world drama including the works of such dramatists as Fry, Osborne, Arden, Pinter, Stoppard, Anouilh, Genet, Ionesco, Miller, Williams, and Albee.

Three hours a week

304 CONTEMPORARY FICTION

This course studies trends and techniques in fiction in English since the Second World War. It includes representative novels and short stories by major writers of various nationalities.

Three hours a week

306 (formerly 312) CRITICAL APPROACHES TO TEXTS II

This course examines critical trends of the twentieth century and provides practice in the application of critical methodology to literary and cultural texts. The course is designed to build on the knowledge of critical approaches acquired in English 206: Critical Approaches to Texts I.

PREREQUISITE: English 206 or permission of the instructor

Three hours a week

313 PHILOSOPHY AND LITERATURE

See Philosophy 361

314 IDENTITY AND POPULAR CULTURE

See Women's Studies 311

321 ENGLISH-CANADIAN PROSE

This course introduces students to a variety of significant English-Canadian prose writers in the modern period, reviews the historical development and contexts of English-Canadian fiction, and explores the relationship between the writer's narrative strategies and fictional concerns.

Three hours a week

322 ENGLISH-CANADIAN POETRY

This course examines English-Canadian poetry from the nineteenth century to the present, focusing on poets of the Confederation era, major figures of 1930-1970 such as Pratt, Livesay, Birney, Page, Avison, Layton, Purdy, Cohen and Atwood, and the important new voices and poetic developments of the 1970s and 1980s.

Three hours a week

323 LITTÉRATURE CANADIENNE-FRANÇAISE I / DE LA NOUVELLE FRANCE À 1895

See French 441

324 LITTÉRATURE CANADIENNE-FRANÇAISE II / XX^e SIÈCLE

See French 442

331 THE LITERATURE OF ATLANTIC CANADA

This course studies works by the major writers of Atlantic Canada. It includes a consideration of the socioeconomic and geographic factors that have influenced them and an exploration of the character of the region as depicted in their works. Three hours a week

332 MODERN BRITISH LITERATURE

By considering the works of authors such as Conrad, Lawrence, Woolf, Yeats, and Joyce, this course examines the literature of Britain, including Anglo-Irish writing, from the close of the Victorian age to the mid-twentieth century.

PREREQUISITE: English 202

Three hours a week

333 L.M. MONTGOMERY

This course investigates L.M. Montgomery's contributions as a writer of women's and children's fiction; as a diarist and poet; and as a regional and international writer. Readings include some of Montgomery's most popular works from the Anne and Emily series as well as her lesser-known works.

Cross-listed with Women's Studies (cf. Women Studies 333)

Three hours a week

335 (formerly 431) BRITISH ROMANTIC LITERATURE

This course traces the origins and development of the British Romantic movement from the dawn of the French Revolution to the aftermath of the Napoleonic wars. Emphasis is placed on understanding the social, cultural, and historical contexts in which the writers worked. Major emphasis will be on the works of such writers as Blake, Wordsworth, Coleridge, Keats, Byron, Percy Shelley, and Mary Shelley.

PREREQUISITE: English 202

Three hours a week

336 (formerly 413) VICTORIAN LITERATURE

This course introduces students to the Victorian period through an examination of the ideas and concerns which characterized the period. Emphasis is placed on understanding the social, cultural, and historical contexts in which the writers worked. Writers covered include Arnold, Carlyle, Tennyson, Ruskin, D. Rossetti, C. Rossetti, E. Barrett Browning, R. Browning, and Wilde.

PREREQUISITE: English 202

Three hours a week

337 (formerly 421) NINETEENTH-CENTURY FICTION

This course examines the development of the novel in Britain from the early to the late nineteenth century, focussing on novels by writers such as Austen, Dickens, the Brontës, Thackeray, Eliot, and Hardy. Emphasis is placed on social context, nineteenth-century responses, and contemporary criticism of the novels studied.

PREREQUISITE: English 202

Three hours a week

341 MODERN DRAMA

This course explores late nineteenth- and early twentieth-century drama moving from Victorian melodrama and sentimental comedy to the works of such British and American dramatists as Shaw, Synge, O'Casey, T.S. Eliot, O'Neill, Wilder, and Hellman, and such influential foreign authors as Ibsen, Chekhov, Strindberg, Jarry, Pirandello, and Brecht.

Three hours a week

342 FICTION FROM IRELAND

This course surveys Irish fiction in English from the nineteenth century to the present, including the Irish Literary Revival. Students examine works by such writers as Edgeworth, Carleton, Joyce, O'Flaherty, Flann O'Brien, Stephens, Bowen, and Doyle in the context of the political, social, and cultural developments of their time.

Three hours a week

343 POETRY AND DRAMA FROM IRELAND

This course surveys Irish poetry and drama in English from the early nineteenth century to the present, including the Irish Literary Revival. Students examine works by such writers as Yeats, Lady Gregory, Synge, O'Casey, Beckett, Friel, Kavanagh, Heaney, Boland, and McGuckian in the context of the political, social, and cultural developments of their time.

Three hours a week

351 AMERICAN MODERNISM 1910-1945

This course traces the rise of American Modernism including the New York avant-garde, the First World War era, the Harlem Renaissance, the Lost Generation writers in Paris, and the classics of High Modernism in different regions of the United States. Students investigate a variety of experiences that shape American modernist aesthetics including war, technology, gender, sexuality, and urban life. Authors include e.e. cummings, William Carlos Williams, Ernest Hemingway, F. Scott Fitzgerald, William Faulkner, Zora Neal Hurston, Ralph Ellison, Willa Cather, and the Left Bank women writers including Djuna Barnes.

Three hours a week

355 (formerly 461) SHAKESPEARE'S COMEDIES AND HISTORIES

This course continues an examination of Shakespeare's plays by focussing on the comedies and histories. Attention is paid both to the texts and to the performance of the plays.

PREREQUISITE: English 255 or the permission of the instructor.

Three hours a week

356 (formerly 442 and 451) RENAISSANCE LITERATURE

This course offers a survey of the poetry and prose of the time of Henry VIII, Elizabeth I, and James I. Students read the sonnets of William Shakespeare and work by such writers as Thomas More, John Donne, Philip Sidney, and Ben Jonson.

PREREQUISITE: English 201 or permission of the instructor

Three hours a week

357 (formerly 452) RENAISSANCE DRAMA

This course is a study of representative works of English Renaissance drama (excluding Shakespeare). Writers include Kyd, Marlowe, Dekker, Jonson, Middleton, and Webster.

PREREQUISITE: English 201 or permission of the instructor.

Three hours a week

358 (formerly 443) MILTON

This course offers a thorough reading of *Paradise Lost* and *Paradise Regained*, as well as a representative sample of John Milton's early poetry and prose.

PREREQUISITE: English 201 or permission of the instructor

Three hours a week

361 EARLY AMERICAN LITERATURE TO 1830

This course introduces students to a range of early writers and texts that influenced ideas of America as place and as identity.

tity and which continue to have social and cultural relevance today. The course begins with the “discovery” literature of the early European explorers and moves through the Puritan, Revolutionary, and Federalist periods. Emphasis is placed on poetry, prose, prose fiction, and autobiography. Among the writers studied are Bradstreet, Rowlandson, Taylor, Franklin, Equiano, and Cooper.
Three hours a week

362 NINETEENTH-CENTURY AMERICAN LITERATURE 1830-1910

This course focuses on important writers and texts who influenced the social and cultural context of nineteenth-century America from the “renaissance” through the realist period to the beginning of early Modernism. Emphasis is placed on poetry, prose, and prose fiction and to such themes as freedom, individualism, idealism, materialism, and the environmental imagination. Among the writers studied are Emerson, Thoreau, Hawthorne, Poe, Fuller, Whitman, Dickinson, Twain, and James.
Three hours a week

364 CONTEMPORARY AMERICAN LITERATURE 1945 TO THE PRESENT

This course examines the major forces in American poetry, fiction, and drama from 1945 to the present. The topics include developments in the American realist tradition, postmodernism, regional and ethnic traditions, and the avant-garde. Typically, the selection of authors and texts are determined by a particular thematic, literary-historical, or theoretical focus.
Three hours a week

365 (formerly 432) EIGHTEENTH-CENTURY LITERATURE I

This course explores a variety of different kinds of texts—poems, novels, pamphlets, essays, diaries—written between 1660 and the middle of the eighteenth century. The course allows students to consider a number of cultural themes and issues, for example, gender, race, travel, crime, and science. Writers may include Rochester, Behn, Dryden, Pepys, Haywood, Swift, Pope, Montagu, Leapor.
PREREQUISITE: English 201 or permission of the instructor
Three hours a week

366 (formerly 422) EIGHTEENTH-CENTURY LITERATURE II

This course explores a variety of different kinds of texts—poems, novels, pamphlets, essays, diaries—written between the middle and the end of the eighteenth century. The primary focus of this course is on the literature of sensibility and the development of the gothic. This course considers writers such as Richardson, Fielding, Montagu, Johnson, Walpole, Burney, and Radcliffe, placing their texts within a larger cultural context, and exploring their connection, for example, to medical discourses, architecture, and prison reform.
PREREQUISITE: English 201 or permission of the instructor
Three hours a week

367 (formerly 441) RESTORATION AND EIGHTEENTH-CENTURY DRAMA

This course explores British drama from the reopening of the theatres in 1660 through the eighteenth century. Students study a representative selection of plays, with particular attention to the ways they are embedded in contemporary culture. Students also read contemporary culture through the drama and the drama within a larger cultural context. Playwrights considered may include Wycherley, Behn, Congreve, Pix,

Centlivre, Gay, and Sheridan.

PREREQUISITE: English 201 or permission of the instructor.
Three hours a week

369 (formerly 405) THE LEGACY OF SPANISH MYSTICS

See Spanish 405

372 CHAUCER

This course provides an introduction to the works of Geoffrey Chaucer in his context as a fourteenth-century English poet. The course explores a selection of Chaucer's writings, such as *The Book of the Duchess*, *The Parliament of Fowls*, *The Legend of Good Women*, and *The Canterbury Tales*.
PREREQUISITE: English 201 or permission of the instructor
Three hours a week

375 (formerly 472 & 482) MIDDLE ENGLISH LITERATURE

This course introduces Middle English Literature from the Norman Conquest to 1500. Students explore the major medieval genres, such as lyric, dream vision, romance, allegory, debate, and devotional literature through the study of authors such as the Gawain poet, the fourteenth-century Mystics, Langland and Malory.
PREREQUISITE: English 201 or permission of the instructor
Three hours a week

376 (formerly 371) LANGUAGE AND LITERATURE OF ENGLAND TO 1500

This course considers the history of the English language from its beginning to 1500. Students are introduced to Old and Middle English texts in their historical, cultural, and literary contexts.
PREREQUISITE: English 201 or permission of the instructor
Three hours a week

381 PROFESSIONAL WRITING

This course introduces students from a variety of disciplines to the skills and tasks required for effective communication in a professional environment. The course focuses on the following: analytical reports, proposals, descriptions of processes, extended definitions, instructions, business correspondence, memoranda, graphics, presentation of data, and oral presentations. Assignments, designed for the student's particular discipline, emphasize a sound analysis of the goals for each task, and the effective, economical, clear, and correct use of language to achieve these goals.
NOTE: English 381 does not fulfil the University's second English requirement.
Three hours a week

385 LINGUISTICS AND LITERATURE

In this course students apply the principles and practice of linguistics to the analysis and interpretation of literary texts. Particular emphasis is placed on metrical theory and its application to an understanding of verse forms. Topics may include a linguistic account of metaphor and aesthetic effects; the communicative function of literary language; the linguistic aspects of the performance of literature; and narrative. Classes combine lecture, group work, discussion, and practical exercises.
PREREQUISITE: English 285 or English 286, or permission of the instructor.
Three hours a week

392 CREATIVE WRITING II

This advanced workshop in creative writing provides students with the opportunity to develop further their proficiency in writing fiction, poetry, drama, or creative non-fiction.

Students produce new material and revise work-in-progress, and present these manuscripts to the workshop. Class time is devoted to discussion of students' manuscripts and published texts and to strategies and structures involved in writing them.

PREREQUISITE: English 212 and permission of instructor.

Three hours a week

393 (formerly 412) CREATIVE WRITING III

This is a master-class workshop for students who have demonstrated discipline, ability, and professionalism in their previous writing, editing, and workshop participation. Students revise and finish projects in the genres of one or more of fiction, poetry, scriptwriting, and creative non-fiction, and prepare manuscripts for submission to literary journals and competitions. This course includes public readings and attendance at readings by visiting writers.

PREREQUISITE: English 212, English 392, and permission of instructor.

Three hours a week

394 WRITING LIVES: THE ART AND CRAFT OF LIFE-WRITING

This workshop-based course offers students the opportunity to study and to practice genres of writing such as memoir, autobiography, biography, and fictive memoir. Students examine texts with an emphasis on the craft, purpose, and historical context of life-writing. Students produce their own manuscripts, and present these to the workshop for discussion of strategies and structures involved in life-writing.

PREREQUISITE: English 212 and/or permission of the instructor

Three hours a week

404 SPECIAL STUDIES IN COMMUNICATION AND RHETORIC

See Writing 404

406 ADVANCED STUDIES IN CRITICAL THEORY

PREREQUISITES: English 305, or English 206 and permission of the instructor.

Three hours a week

415 ADVANCED STUDIES IN TWENTIETH-CENTURY LITERATURE

PREREQUISITE: One 300-level course in twentieth-century literature

Three hours a week

425 ADVANCED STUDIES IN CANADIAN LITERATURE

PREREQUISITE: One 300-level course in Canadian Literature

Three hours a week

435 ADVANCED STUDIES IN NINETEENTH-CENTURY BRITISH LITERATURE

PREREQUISITE: One of English 335, 336, or 337, or permission of the instructor

Three hours a week

445 ADVANCED STUDIES IN CHILDREN'S LITERATURE

PREREQUISITE: English 245 or permission of the instructor

Three hours a week

455 ADVANCED STUDIES IN SHAKESPEARE

PREREQUISITES: English 255 and English 355, or permission of the instructor

Three hours a week

456 ADVANCED STUDIES IN RENAISSANCE LITERATURE

PREREQUISITE: English 356 or permission of the instructor

Three hours a week

463 ADVANCED STUDIES IN AMERICAN LITERATURE

PREREQUISITE: One of 351, 361, 362, or 364, or permission of the instructor

Three hours a week

465 ADVANCED STUDIES IN EIGHTEENTH-CENTURY LITERATURE

PREREQUISITE: English 365 or English 366, or permission of the instructor.

Three hours a week

466 ADVANCED STUDIES IN GENDER AND SEXUALITY

PREREQUISITE: One 300-level course in English literature or permission of the instructor.

Three hours a week

475 ADVANCED STUDIES IN MEDIEVAL LITERATURE

PREREQUISITE: English 201 or permission of the instructor

Three hours a week

485 ADVANCED STUDIES IN LINGUISTICS

PREREQUISITES: English 285, English 286, and English 385, or permission of the instructor.

Three hours a week

486 ADVANCED STUDIES IN CREATIVE WRITING

PREREQUISITE: English 212 and permission of the instructor

Three hours a week

491 SEMINARS

This variable content seminar course is designed to accommodate the most recent developments in the discipline. The course typically concentrates on a particular author, genre, theme, or methodology not covered by other 400-level courses. Course descriptions are published in the English Department Calendar Supplement.

PREREQUISITES: Normally, the prerequisites for this seminar are three 300-level English courses or permission of the instructor. Specific prerequisites may apply in any given year, depending on the seminar offered. Please see the Calendar Supplement for more information.

Three hours a week

492 TUTORIAL

With the approval of the Chair and Dean, a senior student of high (usually first class) standing, pursuing an English Major, Minor or Honours degree, may be allowed to explore a special topic under the guidance of a faculty member. Before such approval is granted, the student must obtain the consent of a faculty member to supervise the work and submit, at least one month before enrolling in the course, a detailed proposal of the project, including the area of interest, the method of approach, and a comprehensive bibliography. If the project receives

Departmental approval and approval of the Dean, the student may proceed with the study.

495 THE ENGLISH HONOURS ESSAY

Each student is required to write an essay of 8,000 to 10,000 words on a subject selected by the student and approved by the English Department. The essay will be written under the supervision of a member of the English Department and assessed, after an oral discussion with the student, by a three-member committee consisting of the supervisor, a second reader from the English Department, and an outside examiner, usually from another academic department of the University. Six semester hours of credit

Environmental Studies

www.upei.ca/environment/

Co-ordinator

Don Mazer (Psychology)

Coordinating Committee Steering Group

Pamela Courtenay-Hall (Philosophy)

Christian Lacroix (Biology)

Graham Pike (Education)

Brian D. Wagner (Chemistry)

Coordinating Committee Members

M. B. Ali (Economics)

Tim Carroll (Business)

Douglas C. Dahn (Physics)

T. Jeffrey Davidson (Health Management)

Ian Dowbiggin (History)

Gil Germain, Political Studies

Joseph P. Kopachevsky (Sociology and Anthropology)

Wendy Shilton (English)

Andrew Trivett (Engineering)

Joe Velaidum (Religious Studies)

Sessional Lecturer

Mary Walsh

The Environmental Studies program at UPEI is a broadly interdisciplinary program rooted in the tradition of the liberal arts and sciences that is designed to help students understand and address contemporary environmental issues. Since environmental problems are not only scientific/technical ones, but human/social problems as well, a broad background is required to understand and address them.

The Environmental Studies program has the following goals:

- to deepen and broaden students' understandings of environmental issues;
- to develop an appreciation for the interrelationships among the various physical, biological and human systems;
- to help students develop an interdisciplinary and multidisciplinary framework for understanding and addressing environmental issues;
- to develop students' abilities to critically evaluate environmental information;
- to encourage students to become better environmental citizens and to find ways of living their own lives more sustainably.

REQUIREMENTS FOR A MINOR IN ENVIRONMENTAL STUDIES

A minor in Environmental Studies will be recognized when

a student has successfully completed 21 semester hours of courses drawn from Environmental Studies courses and cross-listed courses.

These courses must include:

- (1) the two core introductory Environmental Studies courses (Environmental Studies 201 and 202);
- (2) a minimum of 6 semester hours in approved courses within the Faculty of Sciences; and
- (3) a minimum of 6 semester hours in approved courses within the Faculty of Arts, School of Business Administration, and Faculty of Education.

Students may only credit a maximum of 9 semester hours toward the Minor in any one department's cross-listed courses. A maximum of 3 semester hours from the major subject may be credited towards the Minor, but only if at least three semester hours of credit in the major subject in addition to those required for the Major are taken. Students intending to exercise this option should consult with the Co-ordinator of Environmental Studies.

Students minoring in Environmental Studies are encouraged to enroll in Environmental Studies 201 and Environmental Studies 202 as early as possible, but not before the second year.

ENVIRONMENTAL STUDIES COURSES

201 INTRODUCTION TO ENVIRONMENTAL STUDIES

This course introduces students to a multidisciplinary and interdisciplinary approach to the study of environmental issues; and emphasizes the interrelationships among the various physical, biological, and human systems. It examines major contemporary environmental issues, such as global warming and land use, and focuses on how these issues are understood and addressed within the natural sciences, social sciences, and humanities.

PREREQUISITE: Second Year standing

Three hours a week (some field trips may be required)

202 INTRODUCTION TO SUSTAINABILITY

This course explores the fundamental ideas and 'tools' related to environmental sustainability. Topics critically examined include the relationship between sustainability and current environmental problems, sustainability indicators and plans, decision making and public policies, and issues of consumption patterns.

PREREQUISITE: Second Year standing

Three hours a week (some field trips may be required)

301 INTEGRATING ENVIRONMENTAL THEORY AND PRACTICE*

This course provides students with opportunities to develop, integrate and apply their knowledge of environmental issues and theory. Students will be involved in 'internship' experiences with varied environmental organizations, in environmental action research on campus issues or in other settings, and in developing personal plans for environmental action and change. Classroom discussions and written work will aid students in developing a multidisciplinary and systems approach to the analysis of these experiences.

PREREQUISITES: Environmental Studies 201. Students taking this course concurrently may apply for admission to the instructor

1.5 hours per week in class, 2.5 hours per week in practicum work

311 UNDERSTANDING CLIMATE CHANGE*

This course introduces students to the science of climate change. Students explore its social and political implications, and examine its impact on daily life by reviewing current scientific data as it relates to vulnerabilities of particular regions. Topics include methods, strategies, and technologies that address climate change, using case studies of adaptive and mitigative programs in North America, with a special emphasis on Canada's climate action plan.

PREREQUISITE: Environmental Studies 201 or 202
Three hours a week

491-492 DIRECTED STUDIES

These courses offer students the opportunity for the study of other subjects in environmental studies in two different forms: (1) In response to an individual student's needs, a program of directed readings or directed research can be developed with a faculty member; (2) Directed Studies courses are offered on occasion by members of the faculty or by visiting instructors. (See Academic Regulation 9 for Regulations Governing Directed Studies.)

Three hours a week

***NOTE:** These courses may be counted to meet either the Science course requirement or the Arts/Business/Education course requirement discussed above.

CROSS-LISTED COURSES ON ENVIRONMENTAL THEMES**Faculty of Science
(minimum of 6 semester hours required)***

****Biology 101—Environmental Biology**
Biology 111—Introduction to organisms
Biology 222—General Ecology
Biology 301—Community Ecology and Biogeography
Biology 314—Plant Community Ecology
Biology 411—Principles of Wildlife Biology
Biology 412—Techniques and Problems of Wildlife Biology
Biology 423—Land Use on PEI
Biology 454—Biodiversity and Conservation Biology
Chemistry 202—Environmental Chemistry
Engineering 211—Geology I
Physics 261—Energy, Environment and the Economy

Faculty of Arts, School of Business Administration, Faculty of Education (minimum of 6 semester hours required)*

Business 483—The Natural Step for Business
Economics 211—Introduction to Resource Economics
Economics 215—Environmental Economics
Education 404—Environmental Studies
English 322—English-Canadian Poetry
English 335—(formerly 431) British Romantic Literature
English 362—19th-Century American Literature 1830-1910
English 431—English Romantic Writers
History 483—History of the Environmentalist Movement
Philosophy 102—Introduction to Ethics and Social Philosophy
Philosophy 105—Technology, Values and Science
Philosophy 203—Environmental Philosophy
Political Studies 433—Politics and the Environment
Psychology 333—Ecopsychology
Religious Studies 233—Religion, Spirituality and Ecology
Sociology 305—Demography
Sociology/Anthropology 341 - Technology, Society and the Environment

*Students who do not have the required prerequisites for particular courses that are cross-listed in the Environmental Studies program are encouraged to consult with the instructors of these courses to seek their permission to enroll. Instructors may choose to admit students to these courses based upon alternative prerequisites that are judged to provide the student with sufficient background preparation for the course.

****Students may only credit either Biology 101 or Biology 111 toward their minor.**

Family and Nutritional Sciences

www.upei.ca/familyandnutrition

Family and Nutritional Sciences Faculty

Doris M. Anderson, Professor Emeritus
 Jennifer Taylor, Associate Professor, Chair
 Kathy Gottschall-Pass, Associate Professor
 Sheri McBride, Associate Professor
 Debbie MacLellan, Associate Professor
 Carolanne Nelson, Assistant Professor
 Lori Weeks, Assistant Professor

The Department of Family and Nutritional Sciences exists to provide an opportunity for students to acquire the knowledge, skills and understanding necessary to develop their full potential and prepare them to enable others to achieve optimal health and quality of life through the effective use of everyday resources in a rapidly changing environment.

The overall aim of the Department is to provide a liberal university education which draws from a broad academic base: the biological, physical and social sciences; humanities; and professional studies. The curriculum reflects current scientific knowledge in Foods and Nutrition and Family Science, disciplines which are concerned with improving the life conditions of individuals, families, and communities through optimal access and use of everyday resources (food, clothing, shelter and other human and material resources such as time, energy, money, space and human capital).

DEGREE PROGRAMS

The Department of Family and Nutritional Sciences offers three different programs of study leading to a Bachelor of Science degree:

1. Major in Family Science
2. Major in Foods and Nutrition
3. Honours in Foods and Nutrition

REQUIREMENTS FOR A MAJOR IN FAMILY SCIENCE

Students following this degree program must complete 45 semester hours of required courses in Family Science.

REQUIRED COURSES FOR THE FAMILY SCIENCE MAJOR**Family Science**

101 Clothing and Popular Culture

111 Introductory Foods
 114 Families in Contemporary Society
 211 Introductory Nutrition I
 212 Introductory Nutrition II
 221 Family Resource Management
 242 Dynamics of Family Living
 261 Communications
 331 Introduction to Research Methods
 341 Human Development and the Family
 352 Housing & Society
 432 Program Planning and Evaluation
 462 Perspectives on Professional Practice
 Two Family Science electives at the 3rd or 4th year level

Family Science electives may be chosen from:

Family Science 302
 Family Science 402
 Family Science 441/442
 Family Science 451
 Family Science 471
 Family Science 481
 Family Science 491

REQUIRED COURSES FROM OTHER DEPARTMENTS

Mathematics

111 Finite Mathematics
 221 Introductory Statistics

Note: Mathematics 151-152 are required for upper level Mathematics and Chemistry courses

Chemistry

111 General Chemistry I
 112 General Chemistry II

Biology

112 Introduction to Cell and Molecular Biology
 122 Human Physiology

English

101 Academic Writing
 One additional 3 semester hour course

Social Sciences

One 3 semester hour course from Psychology, Sociology or Anthropology

Additional Courses

In addition to the specified 45 semester hours of required Family Science courses and 27 semester hours of required courses from other departments, students must complete an additional 9 semester hours of credit in the Faculty of Science. Recommended Science electives include:

Biology 111
 Biology 206
 Biology 342
 Chemistry 243
 Chemistry 351
 Chemistry 352
 Information Technology 111
 Foods and Nutrition 302
 Foods and Nutrition 351
 Foods and Nutrition 352
 Foods and Nutrition 412
 Foods and Nutrition 461
 Foods and Nutrition 472

Students are advised to consult with the Department Chair or their Faculty Advisor prior to registration.

COURSE SEQUENCE

Following is the usual sequence for completion of courses:

First Year

Family Science 101	Clothing and Popular Culture
Family Science 111	Introductory Foods
Family Science 114	Families in Contemporary Society
Biology 112	Introduction to Cell and Molecular Biology
Chemistry 111	General Chemistry I
Chemistry 112	General Chemistry II
English 101	Academic Writing
Math 111	Finite Mathematics
One Introductory Social Science	
One Free elective	

Second Year

Family Science 211	Introductory Nutrition I
Family Science 212	Introductory Nutrition II
Family Science 221	Family Resource Management
Family Science 242	Dynamics of Family Living
Family Science 261	Communications
Math 221	Statistics
Biology 122	Human Physiology
One English elective	
One Science elective	
One Free elective	

Third Year

Family Science 331	Introduction to Research Methods
Family Science 341	Human Development and the Family
Family Science 352	Housing and Society
Two Science electives	
Five Free electives	

Fourth Year

Family Science 432	Program Planning and Evaluation
Family Science 462	Perspectives on Professional Practice
Two Family Science electives	
Six Free electives	

FAMILY SCIENCE MINOR

Students in the Minors Program in Family Science must complete a total of 21 semester hours of Family Science. This consists of 9 semester hours or required core courses as follows:

Required

Family Science 114	Families in Contemporary Society
Family Science 221	Family Resource Management
Family Science 242	Dynamics of Family Living

12 additional hours of electives must be chosen from:

Family Science 341	Human Development and the Family
Family Science 352	Housing and Society
Family Science 441/442	Directed Studies in Family Science
Family Science 451	Older Women's Experiences of Family Life
Family Science 471	Parent-Child Interaction
Family Science 481	Policy Issues in Family Science
Family Science 491	Human Sexuality

Students intending to complete a Minor in Family Science are advised to consult with the Chair of the Department of Family and Nutritional Sciences to ensure that they have the required

course prerequisites. A student majoring in Foods and Nutrition is not eligible to pursue the Family Science Minor.

CERTIFIED CANADIAN FAMILY EDUCATOR (CCFE) PROGRAM FROM FAMILY SERVICE CANADA

Canada's Certified Family Educator (CCFE) program was developed to promote excellence in services provided to families in Canada. CCFEs work in a variety of health and social service positions. In particular, CCFEs are prepared to work with individuals and families in the areas of prevention and education. Students in any major may be eligible for this program and can apply for certification either while completing or after completing their degree.

Students interested in becoming a Certified Canadian Family Educator (CCFE) must consult with the Chair of the Department of Family and Nutritional Sciences for details and counselling.

REQUIREMENTS FOR A MAJOR IN FOODS & NUTRITION

Students following this degree program must complete 42 semester hours of required courses in Foods and Nutrition, and one 3 semester hour required course in Family Science.

REQUIRED COURSES FOR FOODS AND NUTRITION MAJOR

Foods and Nutrition

- 111 Introductory Foods
- 114 Families in Contemporary Society
- 211 Introductory Nutrition I
- 212 Introductory Nutrition II
- 221 Family Resource Management
- 261 Communications
- 302 Advanced Foods
- 331 Introduction to Research Methods
- 332 Community Nutrition
- 352 Clinical Nutrition I
- 412 Human Metabolism
- 432 Program Planning & Evaluation
- 461 Clinical Nutrition II
- 462 Perspectives on Professional Practice

The Family Science course may be chosen from:

- Family Science 242
- Family Science 341
- Family Science 352
- Family Science 451
- Family Science 471
- Family Science 481
- Family Science 491

In addition to the courses required for the Foods and Nutrition major, students interested in applying for either the integrated dietetic internship program or a graduate dietetic internship placement, must take Foods and Nutrition 222 (Foodservice Systems Management), Foods and Nutrition 351 (Nutritional Assessment), and Foods and Nutrition 422 (Quantity Food Production). Foods and Nutrition 312 (Nutrition and Dietary Behaviour) is recommended but not required.

REQUIRED COURSES FROM OTHER DEPARTMENTS

Mathematics

- 111 Finite Mathematics
- 221 Introductory Statistics

Note: Mathematics 151-152 are required for upper level Mathematics and Chemistry courses

Chemistry

- 111 General Chemistry I
- 112 General Chemistry II
- 243 Organic Chemistry for the Life Sciences
- 351 Biochemistry I
- 352 Biochemistry II

Biology

- 112 Introduction to Cell and Molecular Biology
- 122 Human Physiology
- 206 Microbial Diversity

English

- 101 Academic Writing
- One additional 3 semester hour course

Social Sciences

One 3 semester hour course from Psychology, Sociology, or Anthropology

COURSE SEQUENCE

Following is the usual sequence for completion of courses:

First Year

- | | |
|---------------------------------|--|
| Foods and Nutrition 111 | Introductory Foods |
| Foods and Nutrition 114 | Families in Contemporary Society |
| Biology 112 | Introduction to Cell and Molecular Biology |
| Chemistry 111 | General Chemistry I |
| Chemistry 112 | General Chemistry II |
| English 101 | Academic Writing |
| One English elective | |
| Math 111 | Finite Mathematics |
| One Introductory Social Science | |
| One Free elective | |

Second Year

- | | |
|-------------------------|---|
| Foods and Nutrition 211 | Introductory Nutrition I |
| Foods and Nutrition 212 | Introductory Nutrition II |
| Foods and Nutrition 221 | Family Resource Management |
| Foods and Nutrition 261 | Communications |
| Biology 122 | Human Physiology |
| Chemistry 243 | Organic Chemistry for the Life Sciences |
| Math 221 | Introductory Statistics |
| Three Free electives | |

Third Year

- | | |
|-----------------------------|----------------------------------|
| Foods and Nutrition 302 | Advanced Foods |
| Foods and Nutrition 331 | Introduction to Research Methods |
| Foods and Nutrition 332 | Community Nutrition |
| Foods and Nutrition 352 | Clinical Nutrition I |
| Chemistry 351 | Biochemistry I |
| Chemistry 352 | Biochemistry II |
| Biology 206 | Microbial Diversity |
| One Family Science elective | |
| Two Free electives | |

Fourth Year

Foods and Nutrition 432	Program Planning and Evaluation
Foods and Nutrition 461	Clinical Nutrition II
Foods and Nutrition 412	Human Metabolism
Foods and Nutrition 462	Perspectives on Professional Practice
Six Free electives	

REQUIREMENTS FOR HONOURS PROGRAM IN FOODS AND NUTRITION

The Honours program in Foods and Nutrition is designed to provide research experience at the undergraduate level within the B Sc Program. It is available to students with a strong academic background who intend to continue studies at the post graduate level in Foods and Nutrition or related field, or to students who intend to pursue a career where research experience would be an asset.

The Honours program differs from the major in requiring a two-semester research course with thesis report, 2 additional advanced Foods and Nutrition courses for a total of 126 semester hours for the degree. The research component is to be completed within the B Sc program and would normally require one summer (four months) preceding the graduating year. Evaluation of the research data and writing of the thesis would normally be done during the fall and/or spring session in Foods and Nutrition 490: Advanced Research and Thesis. The following are the course requirements for the Honours program in Foods and Nutrition.

First Year

Foods and Nutrition 111	Introductory Foods
Foods and Nutrition 114	Families in Contemporary Society
Chemistry 111-112	General Chemistry I and II
Math 111 or 112	Finite Mathematics or Calculus
Biology 112	Introduction to Cell and Molecular Biology
English 101	Academic Writing
English elective	
Social Science elective	
One free elective	

Second Year

Foods and Nutrition 211-212	Introductory Nutrition I and II
Foods and Nutrition 221-222	Family Resource Management
Foods and Nutrition 261	Communications
Biology 122	Human Physiology
Chemistry 243	Organic Chemistry for the Life Sciences
Math 221	Introductory Statistics
Three free electives	

Third Year

Foods and Nutrition 302	Advanced Foods
Foods and Nutrition 331	Introduction in Research Methods
Foods and Nutrition 332	Community Nutrition
Foods and Nutrition 352	Clinical Nutrition I
Chemistry 351-352	Biochemistry I and II
Biology 206	Microbial Diversity
Family Science elective	
Two free electives	

Fourth Year

Foods and Nutrition 461	Clinical Nutrition II
Foods and Nutrition 412	Human Metabolism
Foods and Nutrition 432	Program Planning and Evaluation
Foods and Nutrition 462	Perspectives on Professional Practice
Foods and Nutrition 490	Advanced Research and Thesis
Two Foods and Nutrition electives	
At the 300 or 400 level	
Two free electives	

Note: Honours students are advised to take an advanced statistics course and consult with their advisor for assistance in choosing electives that will support their research projects.

ENTRANCE REQUIREMENTS

For admission to the Honours program, students must have a minimum average of 75% in all Foods and Nutrition courses combined and an overall average of 70% in all previous courses. Permission of the Department is also required and is contingent on the student finding an advisor and on acceptance of the research project by the Department of Family and Nutritional Sciences. Students interested in completing an honours should consult with the Department Chair as early as possible and not later than March 31st of the student's third year.

To graduate with Honours in Foods and Nutrition, students must maintain a minimum average of 75% in all Foods and Nutrition courses combined and an overall average of 70%.

REQUIREMENTS FOR A MINOR IN FOODS AND NUTRITION

Students in the Minors Program in Foods and Nutrition must complete a total of 21 semester hours of credit in Foods and Nutrition.

These consist of 12 semester hours of required core courses as follows:

Foods and Nutrition 111	Introductory Foods
Foods and Nutrition 211	Introductory Nutrition I
Foods and Nutrition 212	Introductory Nutrition II
Foods and Nutrition 331	Introduction to Research Methods

Nine additional hours of electives must be chosen from the following:

Foods and Nutrition 302
Foods and Nutrition 312
Foods and Nutrition 332
Foods and Nutrition 351
Foods and Nutrition 352
Foods and Nutrition 371
Foods and Nutrition 412
Foods and Nutrition 441/442
Foods and Nutrition 461
Foods and Nutrition 472

Students intending to do a Minor in Foods and Nutrition are advised to consult with the Chair of the Department of Family and Nutritional Sciences to ensure that they have the required course prerequisites. A student majoring in Family Science is not eligible to pursue the Foods and Nutrition Minor.

PROFESSIONAL PROGRAM REQUIREMENTS

INTEGRATED DIETETIC INTERNSHIP PROGRAM

Students in Foods and Nutrition may apply for admission to the optional Integrated Dietetic Internship Program. The integrated approach to professional training enables students to build upon and apply theoretical knowledge gained from their academic program. On successful completion of the Integrated Dietetic Internship Program, students will have fulfilled the competencies required to reach entry-level professional dietetic competence as determined by the Dietitians of Canada (DC) and will be eligible to apply for admission to the dietetics profession.

Internship work terms and their results will be recorded on students' transcripts. Upon successful completion of both the degree program (meeting internship requirements) and the required work terms, students will be granted a University certificate attesting to their successful completion of the Integrated Dietetic Internship Program.

ADMISSION REQUIREMENTS

All Foods and Nutrition students who have completed the following required courses, with an overall average of 70%, will be eligible to apply for the program:

Foods & Nutrition 111	Introductory Foods
Foods & Nutrition 114	Families in Contemporary Society
Foods & Nutrition 211	Introductory Nutrition I
Foods & Nutrition 221	Family Resource Management
Chemistry 111	General Chemistry I
Chemistry 112	General Chemistry II

In order to preserve the integrated nature of the program, students must apply before having taken any of the following courses: Foods and Nutrition 302, Foods and Nutrition 332, or Foods and Nutrition 352. The number of applicants admitted will depend on available placements.

Interested candidates are encouraged to consult the Department Chair early in their program to discuss admission and course scheduling. Students interested in pursuing this option are also encouraged to seek relevant paid or unpaid work experience in the summer preceding application. A formal application for admission to the Integrated Dietetic Internship Program is required. Application forms are available from the departmental secretary after February 01 and must be returned to the secretary by March 01.

A selection panel will determine admissibility based upon academic performance, paid and unpaid work experience, student motivation and personal suitability. Students meeting the admission criteria will be interviewed and ranked. By the third week of March, the Program Co-ordinator will contact, in writing, all students interviewed as to the outcome of the process.

CONTINUANCE REQUIREMENTS

Once admitted to the program, students must continue in full-time enrollment between work terms. An academic review of students' performance will take place at the end of each semester. Students are required to maintain an average overall grade

of 70%. Students who fail to meet these standards or who fail a required course(s) will not be permitted to begin the next work term until standards are met.

Internship students must complete all of the regular requirements for a Bachelor of Science (Foods and Nutrition) degree with the following exceptions. Foods and Nutrition 462 (Perspectives on Professional Practice) is not required. Foods and Nutrition 222 (Food Service Systems Management), Foods and Nutrition 351 (Nutritional Assessment) and Foods and Nutrition 422 (Quantity Food Production) must be included within their degree program. It is recommended that internship students take Foods and Nutrition 312 (Nutrition and Dietary Behaviour) as an elective.

In addition to the above requirements, students must successfully complete three work terms.

WORK TERMS

Students must complete three work terms in the Integrated Dietetic Internship Program. The first work term, which will take place at the end of the second semester of second year, will involve two weeks of professional practice course, followed by a four week work term, for a total of 6 weeks. This will be followed by two work terms of 12 and 18-24 weeks in length, following the third and fourth year of study, respectively, for a total of 36 to 42 weeks.

Satisfactory fulfillment of the Integrated Dietetic Internship work terms requires:

1. A satisfactory evaluation from the Preceptor at the work placement site.
2. Completion of the minimum number of required competencies as indicated on the appropriate evaluation form.

WITHDRAWAL CONDITIONS

Students will be required to withdraw from the Integrated Dietetic Internship Program if:

1. They are dismissed from, resign, or fail to achieve the required competencies during a work term, or
2. They do not achieve a passing grade in required courses or do not maintain the average course grade necessary for continuance in the Integrated Dietetic Internship Program, or
3. They fail to abide by the policies and procedures set out by the Advisory Committee for the Integrated Dietetic Internship Program and/or those of the placement organization. Students who voluntarily withdraw from or who are required to withdraw from the Integrated Dietetic Internship Program may remain in and continue with the regular Foods and Nutrition majors program.

REGISTRATION AND FEES

Students are required to register for all work terms at the Registrar's Office, according to normal registration procedures. Work terms will officially be designated on students' transcripts as pass or fail. Students pay for their work terms as they are taken. Students accepted to the Integrated Dietetic Internship Program are required to pay an Internship Administration Fee (see Calendar section on fees). This amount is to be paid to the Accounting Office by April 30th of the year in which the work term is to be completed.

Additional information on policies and procedures related to the Integrated Dietetic Internship Program are available from the Department.

DIETITIANS OF CANADA GRADUATE INTERNSHIP

The Foods and Nutrition majors program is an accredited undergraduate dietetic education program. To be eligible to apply for a position in an approved graduate dietetic internship program, students must meet the academic requirements of the Dietitians of Canada and should have a minimum average grade of 70% in their last 30 courses.

In addition to the courses required for the Foods and Nutrition major, students interested in applying for a graduate dietetic internship placement must take Foods and Nutrition 222, Foods and Nutrition 351, and Foods and Nutrition 422. Foods and Nutrition 312 is recommended but not required. Foods and Nutrition 462 is required.

Students should consult with the Dietetic Course Director for details and counselling by the end of second year.

NOTES REGARDING 100-LEVEL FAMILY SCIENCE AND FOODS AND NUTRITION COURSES

Foods and Nutrition 111 and Family Science 114 are introductory courses required for, but not restricted to, Foods and Nutrition and Family Science majors. A combined average of at least 60% in Foods and Nutrition 111 and Family Science 114 is a prerequisite for all Foods and Nutrition and Family Science courses above the 100 level. However, this course prerequisite may be waived with the permission of the Chair for individual courses.

Foods and Nutrition 101 is a course designed primarily for non-Foods and Nutrition or Family Science majors who will not be taking advanced courses in Nutrition, however it will be accepted for credit as an elective in the Foods and Nutrition or Family Science majors programs. Credit will **NOT** be allowed for Foods and Nutrition 101 if completed after Foods and Nutrition/Family Science 211.

FAMILY SCIENCE COURSES

101 CLOTHING AND POPULAR CULTURE

This course is an introduction to the multidisciplinary field of clothing. It demonstrates that clothing is an essential part of the human experience and that understanding of its functions helps students to relate to other cultures, facilitate their interactions with others and enable them to better understand themselves. Topics include the language of clothing; the impact of clothing on the development and evolution of self; the influence of family, media, class, and gender on clothing choices; and the diffusion and adoption processes of fashion-oriented consumer behaviour.

Three lecture hours

111 INTRODUCTORY FOODS

See Foods and Nutrition 111

114 FAMILIES IN CONTEMPORARY SOCIETY

This course is an introduction to the study of families and contemporary issues facing today's families. Topics include changing family structures, current trends in Canadian families, the

interaction of families with other systems, and theories used to study families. The course also includes an introduction to family life education including the philosophy, nature and purpose of family education.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 114)

Three lecture hours

211 INTRODUCTORY NUTRITION I

See Foods and Nutrition 211

212 INTRODUCTORY NUTRITION II

See Foods and Nutrition 212

221 FAMILY RESOURCE MANAGEMENT

This course is a study of the management process and how it relates to decision making and resource use by individuals and families. Topics include management history and theories; values and goals; resources; planning and decision making. The management of stress and fatigue, time, finances and environmental resources are also discussed. Students gain experience in the application of theory to a variety of individual and family managerial situations.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 221)

Three lecture hours

242 (Formerly 342) DYNAMICS OF FAMILY LIVING

This course examines the multiple realities of living in families. Using current theory and research in family science, it focuses on family diversity extending across history, gender, nationality, culture, and age. The course covers crucial issues such as family stress, later-life families, family violence, the work-family interface, parenting, and other areas of family living. The effects of legislation, and social, economics and technical change on families are discussed.

Cross-listed with Education (cf. Education 422)

PREREQUISITE: Family Science 114 and one course in Psychology, Sociology or Anthropology or permission of the instructor

Three lecture hours

261 COMMUNICATIONS

This course is an introduction to the basic principles of communication. The course balances communication theory and research with skills acquisition and practice to help students communicate more effectively in a variety of professional settings. Students are provided with an opportunity to develop skills in interpersonal and group communication, public speaking, interviewing, and using mass media.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 261)

PREREQUISITE: At least second year standing in Family Science, Foods and Nutrition, Radiography or permission of the instructor

Three lecture hours, three hour laboratory

302 SURVEY OF HISTORIC CLOTHING

This course reviews the evolution of clothing from the Renaissance to modern times within a European/North American context. Historic clothing is viewed as a vehicle that illuminates social history, economics trends, political expression, and technological change. Students gain an appreciation for the artistic value of historic clothing and an understanding of their effect on contemporary clothing design.

Cross-listed with Women's Studies (cf. Women's Studies 322)

Three lecture hours

331 INTRODUCTION TO RESEARCH METHODS

This course is an introduction to research intended to enable students to read critically and evaluate current research in Family and Nutritional Sciences and related disciplines. Students are introduced to various types of research in foods and nutrition and family science, research terminology, and the components of the research process.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 331)

PREREQUISITE: Math 221. Preference for admission will be given to students registered in the Family Science, Foods and Nutrition, or Radiography programs

Three lecture hours

341 HUMAN DEVELOPMENT AND THE FAMILY

This course explores human development from conception to old age, including physical, cognitive, and psychological aspects. Topics include attachment across the lifespan; various theories used to study human development; gender; the aging process; and societal factors affecting human development. The reciprocal relationship between human development and family environments is emphasized and the roles of human service agencies, schools, and the health profession in meeting the developmental needs of individuals in their families are explored.

Cross-listed with Education (cf. Education 421)

PREREQUISITE: Family Science 114 and one course in Psychology, Sociology or Anthropology or permission of the instructor

Three lecture hours

NOTE: Credit will not be allowed for Family Science 341 if a student has already received credit for Psychology 201

352 HOUSING AND SOCIETY

This course examines housing trends in North America with an emphasis on human needs and values that relate to housing. The historical, social, economic, and political factors that influence access to housing and housing policy are also examined.

Three lecture hours

402 SOCIAL-PSYCHOLOGICAL ASPECTS OF CLOTHING

This course builds on concepts and theories introduced in FS 101 and investigates the complex relationship between clothing and society, culture, and the self. Topics include the language of clothing; the interactions between clothing and gender; ethnicity, class and bureaucracy; and the contribution of clothing to the development and presentation of one's identity.

Cross-listed with Women's Studies (cf. Women's Studies 422)

PREREQUISITE: Family Science 101, and Psychology 101 or Sociology 101, or permission of the instructor

Three lecture hours

432 PROGRAM PLANNING AND EVALUATION

In this course, students develop competency in planning, implementing, and evaluating health promotion/family life education programs. Topics include theories and models commonly used for health promotion/family life education, assessing needs, selecting appropriate intervention strategies, identification and allocation of resources, the marketing process, and evaluation models and design.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 432)

PREREQUISITE: Fourth year standing in the Family Science or Foods and Nutrition program or permission of the instructor

Three lecture hours

441/442 DIRECTED STUDIES IN FAMILY SCIENCE

(see Academic Regulation 9 for Regulations Governing Directed Studies)

451 OLDER WOMEN'S EXPERIENCES OF FAMILY LIFE

This course examines older women's diverse experiences in today's families and in the world as homemakers, wives/partners, mothers, caregivers, and as paid and unpaid workers. Family studies scholarship is examined critically for various themes such as the social construction of gender and validation of family diversity. The contradictory nature of the family as source of/venue for control and oppression versus support, validation, and empowerment is also explored.

Cross-listed with Women's Studies (cf. Women's Studies 451)

PREREQUISITE: Fourth year standing in Family Science or Foods and Nutrition or at least one introductory Women's Studies course or permission of the instructor

Three lecture hours

462 PERSPECTIVES ON PROFESSIONAL PRACTICE

This course explores aspects of professional practice. Topics include managing the practicum experience, peer learning, professional roles, standards of practice, professional ethics, advocacy, mentorship, and professional portfolios. Students gain experience in areas of professional practice through a practicum experience.

Cross-listed with Foods and Nutrition (cf. Foods and Nutrition 462)

PREREQUISITE: Fourth year standing in Family Science or Foods and Nutrition

Three lecture hours for first 4 weeks; for balance of semester, 1 lecture hour per week and 32 hours practicum

471 PARENT-CHILD INTERACTION

This course is a study of the developmental nature of parenting throughout the life-cycle from birth through aging, with emphasis on the reciprocal nature of parent-child interactions. It includes parenting in various family structures, in various lifestyles, in high-risk families, in families with exceptional children, and in families from diverse cultures. Alternative approaches to parenting (e.g. adoption and assisted reproduction) are discussed. Contemporary strategies for parent guidance and education are introduced.

PREREQUISITE: FS/FN 114, FS/FN 341, FS/FN 242, or permission of instructor

Three lecture hours

481 POLICY ISSUES IN FAMILY SCIENCE

This course is a study of how public policy shapes the context in which families live, and, in turn, influences human and family development. Topics include the relationship between family functioning and public policies at the local, provincial, and federal levels; the influence of demographic changes, values, attitudes, and perceptions of the well-being of children and families on public policy debates; the effectiveness of policies and programs from a family perspective; the policy making process; and the different roles professionals play in influencing policy development. Special attention is given to the consequences of various policies on current family issues.

PREREQUISITE: FS/FN 114, FS/FN 221 and FS/FN 242, or permission of the instructor

Three lecture hours

491 HUMAN SEXUALITY

This course is an examination of the psychological, social, and physiological aspects of sexual development throughout life. Aspects of human sexuality including reproduction, influence

on relationships, gender issues, sexual orientation, sexually transmitted diseases, sexual values and decision-making are covered. Students examine current sexuality education methodologies. Implications for future trends in human interaction are analyzed.

PREREQUISITE: Fourth year standing in Family Science, or Foods and Nutrition or permission of the instructor.
Three lecture hours

FOODS AND NUTRITION COURSES

101 NUTRITION FOR LIVING

This course is an introduction to the study of nutrition as it relates to health and health promotion. Topics include factors influencing food use; personal dietary assessment and selection of a healthy diet; the essential nutrients; nutrition throughout the life cycle; prevention of chronic disease; and food insecurity and hunger.

Three lecture hours

NOTE: This course is designed primarily for non-Foods and Nutrition or Family Science majors who will not be taking advanced courses in nutrition. Credit will **NOT** be allowed for Foods and Nutrition 101 if completed after Foods and Nutrition/Family Science 211.

111 INTRODUCTORY FOODS

This course is a study of the physical, chemical, and nutritive properties of food; the changes that occur during food preparation, storage, and handling; the factors affecting food acceptability and quality; and time and resource management as it relates to food preparation.

Cross-listed with Family Science (cf. Family Science 111)

PREREQUISITE: Grade XII Chemistry or the permission of the Chair in special cases

Three lecture hours, three hour laboratory

114 FAMILIES IN CONTEMPORARY SOCIETY

See Family Science 114

211 INTRODUCTORY NUTRITION I

This course is a study of applied human nutrition with a focus on carbohydrates, lipids, proteins, vitamins and alcohol; requirements and food sources of these nutrients; role of these nutrients in chronic disease prevention; digestion, absorption and metabolism; and assessment of nutritional status.

Cross-listed with Family Science (cf. Family Science 211)

PREREQUISITE: Chemistry 112, or permission of instructor
Three lecture hours

212 INTRODUCTORY NUTRITION II

This course is a continuation of FN/FSC 211 with a focus on water, major minerals and trace minerals; requirements and food sources of these nutrients; role of these nutrients in chronic disease prevention; nutritional needs across the lifespan, and the selection of an adequate diet.

Cross-listed with Family Science (cf. Family Science 212)

PREREQUISITE: Foods and Nutrition 211 or permission of instructor

Three lecture hours

221 FAMILY RESOURCE MANAGEMENT

See Family Science 221

222 (Formerly 361) FOOD SERVICE SYSTEMS MANAGEMENT

This course is a study of food service management with emphasis on concepts and theories of organizational behaviour; safety, sanitation and hygienic practices in food service; quality

and cost control; personnel management, staffing, physical design and delivery systems and the process of management in an institutional setting and in other food service operations. Other topics include menu planning, marketing, management information systems, budgeting, and the role of computers in food service management.

PREREQUISITE: Foods and Nutrition 221 or permission of the instructor

Three lecture hours

261 COMMUNICATIONS

See Family Science 261

302 ADVANCED FOODS

This course is an advanced study of the physical, chemical, and biological properties of foods through food experimentation; objective and subjective testing of food attributes with emphasis on sensory analysis; and principles of research methodology as applied to foods. Current trends relating to the food system are discussed. A product development project is required.

PREREQUISITES: Chemistry 112, Foods and Nutrition 111, and Foods and Nutrition 331 or permission of instructor

Three lecture hours, three hour laboratory

312 NUTRITION AND DIETARY BEHAVIOUR

This course studies the factors influencing human dietary behaviour and ultimately nutritional health. Topics include food preference, food and culture, food insecurity, food and the media, and sensory influences on dietary behaviour.

PREREQUISITES: Foods and Nutrition 101 or 212, or permission of the instructor

Three lecture hours

331 INTRODUCTION TO RESEARCH METHODS

See Family Science 331

332 COMMUNITY NUTRITION

This course is an introduction to the field of community nutrition, which is the study of the prevention of nutritional problems and the promotion of health through organized community efforts. Students develop an increased awareness of the theory and practice of community nutrition, including how it fits within the framework of health promotion and the current health system. Students are introduced to the theoretical and practical aspects of the community nutrition program planning, marketing and evaluation. Topics include the health care system; nutrition programs and policies at the provincial, national, and international levels; food insecurity; working with diversity; and entrepreneurship.

PREREQUISITE: Foods and Nutrition/Family Science 212 and Foods and Nutrition/Family Science 331 or permission of instructor

Three lecture hours

351 (Formerly 411) NUTRITIONAL ASSESSMENT

This course is an advanced study of current issues in nutrition assessment. Topics include dietary, anthropometric, laboratory and clinical methods currently in use to assess nutritional status at the population and individual level; sources of error; and challenges in interpreting nutritional assessment data.

PREREQUISITES: Foods and Nutrition/Family Science 212, or permission of the instructor

Three lecture hours, 2 hours laboratory

352 CLINICAL NUTRITION I

This course introduces the fundamentals of the pathophysiology and nutritional management of imbalances of body weight, diabetes, and monitoring of nutritional status and the develop-

ment, implementation, and evaluation of nutritional care plans. Specialized nutrition support techniques and drug-nutrient interactions are also studied.

PREREQUISITE: Foods and Nutrition 212 and Biology 122
Three lecture hours and 1 hour tutorial

371 LIFESPAN NUTRITION

This course builds on Introductory Nutrition by exploring in depth the nutritional foundations necessary for growth, development, normal functioning, and disease prevention at various stages of the life cycle. The impact of nutritional deficiencies and excesses on the body at various life stages will also be studied.

PREREQUISITES: Foods and Nutrition 212, or permission of the instructor
Three semester hours

412 HUMAN METABOLISM

This course is an advanced study of the role of macronutrients in physiological and biochemical processes, their regulation in the human body, and their involvement in human health and disease. Application of current nutrition research findings and the rationale for will also be discussed

PREREQUISITES: Biology 122, Math 221, Chemistry 352, and Foods and Nutrition/Family Science 212 or permission of the instructor

Three lecture hours, two hours tutorial

422 QUANTITY FOOD PRODUCTION

This course is a study of food service production and management. Topics include quantity food purchasing and preparation, food safety and HACCP, sanitation, human resource planning and supervision. Practical experience in quantity food production and food service administration is gained by running a food catering operation using a team approach to management.

PREREQUISITES: Foods and Nutrition 111 and 222
Two lecture hours, seven hours laboratory

432 PROGRAM PLANNING AND EVALUATION

See Family Science 432

441/442 DIRECTED STUDIES IN FOODS AND NUTRITION

(See Academic Regulation 9 for regulations Governing Directed Studies)

461 CLINICAL NUTRITION II

This course is a continuation of Foods and Nutrition 352 with emphasis on the pathophysiology and nutritional management of gastrointestinal disorders, food sensitivities, liver diseases, hypermetabolic states, renal disease, and AIDS.

PREREQUISITE: Foods and Nutrition 352
Three lecture hours and 1 hour tutorial

462 PERSPECTIVES ON PROFESSIONAL PRACTICE

See Family Science 462

472 CURRENT ISSUES IN NUTRITION

This course is an advanced study of current issues in nutrition. Emphasis is placed on the role of micronutrients (vitamins and minerals) and nutraceuticals in human health and disease. Students use independent research and problem-solving skills to critique literature, present seminars, and write a scientific paper.

PREREQUISITE: FN/FS 212 and FN/FS 331, or permission of the instructor
Three lecture hours

Fine Arts

www.upei.ca/finearts/

Fine Arts Faculty

Janos Fedak, Professor, Chair

Jean L. Beauregard, Sessional Lecturer

Henry Purdy, Sessional Lecturer

Fine Arts (art history) is a discipline which examines the role of the visual arts in the development of human society. Fine Arts attempts to understand the nature of art, its origins and evolution, and the role it plays in various civilizations. While the task of the artist is the creation of works of art, that of the art historian is their systematic study, analyzing and understanding the products of creative expression.

Studies of the Fine Arts can involve the examination of economic, social, and political issues; problems of patronage, taste, style, and iconography; and questions of literary influence, philology, philosophy, psychology, and religion. At the same time, how works of art are made, their conservation and/or restoration and theories of perception or optics are also investigated.

The study of Fine Arts helps to enhance our aesthetic awareness and our ability to “see” and describe and to search for new meanings and explore new ideas in our environment.

The Department of Fine Arts offers a range of art history courses, especially Western art, from ancient times to the present. The art history courses concentrate on the study of architecture, sculpture, painting, and minor/decorative arts. The studio arts course offered by the Department (FAS 111) provides an introduction to basic artistic techniques.

REQUIREMENTS FOR A MINOR IN FINE ARTS

Students in the Minors Program in Fine Arts must take FAH 101 and FAH 102 consecutively as prerequisites and five other courses including at least two at the 200 level and at least two at the 300 or 400 level.

FINE ARTS COURSES

FAH—Fine Arts History

FAS—Fine Arts Studio

FAH 101 INTRODUCTION TO THE HISTORY OF WESTERN ART I

This course is a survey of the development of visual arts from Prehistoric to Medieval times. Emphasis is placed on the study of major works of art, methods of analysis, use of proper terminology, historical and cultural contexts, and changes of forms and styles.

Cross-listed with History (cf. History 103)

Three hours a week

FAH 102 INTRODUCTION TO THE HISTORY OF WESTERN ART II

This course is a continuation of the survey begun in FAH 101. It covers the most representative works of the visual arts from the early Renaissance period through the Modern era. The major artistic achievements and stylistic changes are studied with particular emphasis on their relationship to historical and cultural circumstances.

Cross-listed with History (cf. History 104)

Three hours a week

FAS 111 STUDIO ARTS

This course explores five media through the use of visual problems. All sessions consist of working periods with technique and media. The media are Drawing (pencil, pen and ink, brush, charcoal); Painting (acrylic, watercolour, mixed media); Sculpture (carving, modelling, assembling); Design (sources, elements); Graphics (silk screen, line block, wood block, embossed, direct image). Limited enrollment. Preference is given to students who have already gained credit in Fine Arts courses or who are currently enrolled in other courses in Fine Arts.

Three hours a week for two semesters

Credit value: three semester hours

NOTE: Students must register for this course at the beginning of the fall semester. Later registration is not allowed.

FAH 201 EGYPTIAN AND MESOPOTAMIAN ART

This course examines (in chronological order) the changes of style in architecture, painting, sculpture, and the minor/decorative arts from the prehistoric periods in Egypt and Mesopotamia to the establishment of the Hellenistic kingdoms in both regions. The characteristics of each period are considered with emphasis on the outstanding works of art/architecture and their historical contexts.

Cross-listed with Classics (cf. Classics 231)

Three hours a week

FAH 202 GREEK ART

This course examines (in chronological order) the changes of style in architecture, painting, sculpture, and the minor/decorative arts from the Archaic period to the end of the Hellenistic age. The characteristics of each period are considered with emphasis on the outstanding works of art/architecture and their historical contexts.

Cross-listed with Classics (cf. Classics 232)

Three hours a week

FAH 211 ROMAN ART

This course examines (in chronological order) the changes of style in architecture, painting, sculpture, and the minor/decorative arts from the beginning of the Roman Republic to the end of the Imperial era. The characteristics of each period are considered with emphasis on the outstanding works of art/architecture and their historical contexts.

Cross-listed with Classics (cf. Classics 241)

Three hours a week

FAH 212 MEDIEVAL ART

This course examines (in chronological order) the changes of style in architecture, painting (especially illuminated manuscripts), sculpture, and the minor/decorative arts from the Byzantine period to the end of the Gothic era in Europe. The characteristics of each period are considered with emphasis on the outstanding works of art/architecture and their historical contexts.

Cross-listed with Religious Studies (cf. Religious Studies 272)

Three hours a week

FAH 301 RENAISSANCE ART

This course examines the artistic milieu in Europe -- with a particular emphasis upon the Italian and Flemish schools -- from the early Fifteenth Century to the mid-Sixteenth Century.

Three hours a week

FAH 302 BAROQUE AND ROCOCO ART

This course examines (in chronological order) the changes of style in architecture, painting, sculpture, and the minor/decorative arts in Italy and other parts of Europe from the early

Seventeenth Century to the end of the Eighteenth Century.

The characteristics of each period are considered with emphasis on the outstanding works of art/architecture and their historical contexts.

Three hours a week

FAH 311 NINETEENTH CENTURY ART

The evolution of the visual arts is studied from the French Revolution to the Post-Impressionist era. Neoclassicism, Romanticism, revival styles, Realism, and Impressionism are the subject areas of the course.

Three hours a week

FAH 312 TWENTIETH CENTURY ART

This course is designed to develop an understanding of the various artistic expressions in the visual arts, including the new art forms of photography and cinema, from the late Nineteenth Century to the present.

Three hours a week

FAH 321 CANADIAN ART

The development of the visual arts in Canada is studied from the Seventeenth Century (colonial times) to the present. The course examines the native tradition in Canada, the legacy of the early French and English settlers, and later developments in the visual arts within the context of the socio-economic and political history of the country.

Three hours a week

FAH 451-452 DIRECTED STUDIES

These courses involve the examination of particular problems in specific areas of interest in the visual arts and archaeology.* Individual studies are conducted under faculty guidance. Open to qualified students from any discipline.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

*Archaeology of Roman Pannonia and of early Medieval times in western Hungary. Field work in Hungary.

History

www.upei.ca/history/

History Faculty

Rev. Francis W.P. Bolger, Professor Emeritus

Andrew Robb, Professor Emeritus

Thomas Spira, Professor Emeritus

Ian Dowbiggin, Professor, Chair

David E. Weale, Professor

Susan Brown, Associate Professor

Richard G. Kurial, Associate Professor

Lisa Chilton, Assistant Professor

Edward MacDonald, Assistant Professor

James Moran, Assistant Professor

Sharon Myers, Lecturer

John Cousins, Sessional Lecturer

Leonard Cusack, Sessional Lecturer

Tom Hamilton, Sessional Lecturer

Darin MacKinnon, Sessional Lecturer

Jill MacMicken-Wilson, Sessional Lecturer

HISTORY PROGRAM

History has been defined as the "memory of human group experience" because it brings the student into contact with the whole range of human effort and achievement. Its object is to recreate the past from the evidence left to us, and to try to

explain how and why human beings spoke, acted, and thought as they did in the past. Although history must always deal with the “facts” of societies, it is even more concerned with explaining and illuminating them.

The program is centred broadly on the history of “Atlantic Civilization” -- the historical development of Europe and the Americas. The courses aim to provide both a broad exposure to the history of the Atlantic World, and more specialized work in the history of various regions and countries.

The Department also offers courses in the practice and the craft of history.

AREA COURSES

The Department offers the following “streams” -- Canadian, American, British, and European:

Canadian

- 101 Canadian History - Pre-Confederation
- 102 Canadian History - Post-Confederation
- 231 The Atlantic Region
- 232 The Atlantic Region
- 325 (formerly 405) Canadian Social History to World War I
- 326 (formerly 406) Canadian Social History since World War I
- 327 Migration to Canada I
- 328 Migration to Canada II
- 331 History of Prince Edward Island - Pre-Confederation
- 332 History of Prince Edward Island - Post-Confederation
- 334 Madness and Society
- 352 The History of Quebec and French Canada
- 385 (formerly 433) Women in 19th - Century Canada
- 386 (formerly 434) Women in 20th - Century Canada
- 402 Folk History of Rural Prince Edward Island
- 403 The Micmac
- 421 Canadian Political History 1896-1935
- 422 Canadian Political History 1935 to the Present
- 424 History of Canadian Nationalism and the Canadian Identity
- 425 (formerly 384) Childhood in Modern Canada
- 426 (formerly 383) A History of the Canadian Working Classes
- 431 Canadian External Relations
- 432 Canadian-American Relations
- 489 20th-Century Prince Edward Island

American

- 241 United States History - From the Colonial Period to Reconstruction
- 242 United States History since Reconstruction
- 333 Health Care and North American Society in Historical Perspective
- 371 The Atlantic World I
- 372 The Atlantic World II
- 382 19th-Century American Society and Culture
- 391 The United States from 1900 through World War II
- 392 The United States since World War II
- 393 American Intellectual History 1620-1900
- 394 20th-Century American Intellectual History
- 395 Race & Ethnicity in American Life: A History of Immigration
- 396 Race & Ethnicity in American Life: African-American History

- 397 Race & Ethnicity in American Life: The Hispanic-American Experience
- 441 United States Foreign Policy from the Revolutionary Period through World War I
- 442 United States Foreign Policy since World War I
- 483 History of the Environmentalist Movement British
- 261 Modern British History I
- 262 Modern British History II
- 362 Victorian Britain
- 363 Modern Irish History
- 472 20th-Century Great Britain

European

- 201 European Civilization 500-1648
- 202 European Civilization 1648 to the Present
- 303 European Culture & Ideas: From the Renaissance to the Scientific Revolution
- 304 The European Enlightenment, Revolution, and the Napoleonic Empire
- 305 The European Middle Ages 500-1300
- 315 European Diplomatic History 1815 - Present
- 321 History of Christianity to the Reformation
- 322 History of Christianity from the Reformation to the Present
- 323 Russian History since 1682
- 341 German History since 1500
- 342 History of France since 1500
- 453 Gender in European History: The Renaissance to the Present
- 455 War and Revolution in the 20th Century World
- 481 19th-Century European Intellectual History
- 482 20th-Century European Intellectual History
- 485 European Intellectual History Since 1789

Greek and Roman

- 251 Greek Civilization
- 252 Roman Civilization
- 271 Augustus and the Early Roman Empire
- 272 The Later Roman Empire, 284-410 AD

Other

- 211 The History Workshop: Skills and Methods in History
- 312 The Art of History
- 484 Applied Public History
- 491 Directed Studies
- 492 Directed Studies
- 497 Honours Tutorial in Historiography
- 498 Honours Graduating Essay

Normally, students will choose History 101/102 as their introduction to history. These courses include an important tutorial component emphasizing introductory skills and methods of history.

200-level courses provide introductions to the histories of civilizations, regions, and countries, especially in the areas listed above. They are intended to build upon the skills acquired in History 101/102.

300-level courses provide more specialized studies in a number of areas.

400-level courses are usually seminars emphasizing discussion and research in more specialized areas.

While providing courses for students in all faculties, schools, and departments, the Department also provides a minor, ma-

major, and honours program for those who have a special interest in the study of history.

MAJOR PROGRAM

To register as a major in History, a student must complete History 101/102 and six semester hours (2 courses) at the 200 level. Students are urged to take History 201/202 in the first or second year to satisfy the second requirement. Students may take additional 200-level courses.

- History 101/102, 201/202, 211, and 312 are compulsory for students in the major program.
- History 101/102, 201/202, and 211 should be completed by the end of the fourth semester.
- History 312 should be completed no later than the end of the sixth semester.

A major program is complete when a student has successfully completed a minimum of 42 hours of credit in History (14 courses) of which a minimum of 12 hours (4 courses) must be at the 300 level, and 12 hours (4 courses) must be at the 400 level.

HONOURS PROGRAM

To be admitted to the honours program, the student must submit a letter of application to the Honours Co-ordinator. Applicants must be registered in, or have completed, the major program. Applications are normally submitted during the fourth or fifth semester. Decisions on admission are made by the department acting as a committee of the whole. Admissions decisions will be made on the basis of demonstrated and potential ability to carry out independent research and sustained historical analysis. Meeting the minimum entry requirements does not guarantee admission.

- Applicants must have a minimum average of 70% in all previous University courses. Normally, the Department expects an average of at least 75% in all previous history courses.
- In addition to the courses required for the major, honours students are required to complete History 497 and 498.
- Each honours student must prepare a graduating honours essay under the direction of a supervisor. This essay will be evaluated by a three-person committee, one member of which will be from outside the Department.
- The candidate must take a final oral examination on the essay.
- Students intending to enter graduate programs should be aware that many such programs require a reading knowledge of a second language. Undergraduate courses in a second language are a useful preparation for graduate work in history.
- Honours students must complete courses totalling 6 semester hours of credit at the 200-400 levels in four of the five areas of study: Greek and Roman, Europe, Britain, the Americas, and Canada.

An honours program is complete when the student completes:
1. a total of 126 semester hours of course credits with a minimum overall average of 70%;

2. a total of 48 semester hours of course credits in History (6 semester hours in addition to the minimum required for the major), with a minimum average of 75%.

CREDITS FOR CROSS-LISTED COURSES

The Department accepts as part of its major or honours program a maximum of 12 hours (4 courses) of courses cross-credited to History from related disciplines. Of such courses, students can apply 6 hours (2 courses) taken at the 100 or 200 levels and 6 hours (2 courses) at the 300 or 400 levels. Students must have the prior approval of the Chair of History if credit is to be granted. The courses from related disciplines which may be approved for credit are the following:

Asian Studies 201	Introduction to West Asia
Asian Studies 202	Introduction to East Asia
Canadian Studies 201/202	The Atlantic Region
Classics 101	Greek Civilization
Classics 102	Roman Civilization
Classics 202	Augustus and the Early Roman Empire
Classics 342	The Later Roman Empire, 284-410 AD
Classics 431	Directed Studies (with approval of History Chair)
Classics 432	Directed Studies (with approval of History Chair)
Economics 311/312	History of Economic Thought
Fine Arts History 101/102	Art History
Religious Studies 201	Religious Traditions of Asia
Religious Studies 331/332	History of Christianity

MINOR PROGRAM

To complete a minor in History, the student must complete History 101/102 and five other history courses (15 semester hours), including

- one Canadian history,
- one British history,
- one American history,
- one continental European history, and
- one other history course (History 312 is recommended).

At least two of the student's courses must be at the 300 level or above.

DIRECTED STUDIES

History 491/492 (Directed Studies courses) are designed to allow students to pursue an area of study of their own interest which may not be offered by the curriculum. Directed Studies courses are usually restricted to qualified Third and Fourth Year students in any discipline. The program of study in the course must be approved by the Instructor, the Chair, and the Dean of the Faculty prior to registration.

PREREQUISITES

Completion of English 101 is strongly recommended before taking any History Course at the 200 level. English 101, or permission of the instructor, is a prerequisite for any history course at the 300 or 400 level.

HISTORY COURSES

101 CANADIAN HISTORY— PRE-CONFEDERATION
This course surveys topics of historical importance in Cana-

dian history up to and including the attainment of Confederation. The emphasis is on the interaction between political events and change in the economy and society. Tutorials examine various historical interpretations of the Canadian experience.

Lecture: Two hours a week

Tutorial: One hour a week

102 CANADIAN HISTORY—POST-CONFEDERATION

This course surveys topics of historical importance in Canadian history in the Post-Confederation period. The emphasis is on the interaction between political events and change in the economy and society. Tutorials examine various historical interpretations of the Canadian experience.

Lecture: Two hours a week

Tutorial: One hour a week

103 INTRODUCTION TO THE HISTORY OF WESTERN ART I

See Fine Arts History 101

104 INTRODUCTION TO THE HISTORY OF WESTERN ART II

See Fine Arts History 102

201 EUROPEAN CIVILIZATION 500-1648

This introductory course examines the history of European civilization from the fall of Rome in the West to the Peace of Westphalia in 1648. Lectures analyse the main political, economic, social, and cultural forces which shaped European society during this period.

Lecture: Three hours a week

202 EUROPEAN CIVILIZATION 1648 TO THE PRESENT

This introductory course examines the history of European civilization from the end of the Thirty Years' War to the present. Lectures analyse the main political, economic, social, and cultural forces which shaped Europe from the early modern to the post-industrial period.

Lecture: Three hours a week

211 THE HISTORY WORKSHOP: SKILLS AND METHODS IN HISTORY

This introductory course offers students the opportunity to develop their research, writing and critical thinking skills while introducing them to the nature of historical method and inquiry. The course provides instruction and practice in the use of standard print and electronic bibliographic tools and in the writing of research, analytical and critical papers in history. Topics of study include the relationship between history and truth, the uses of evidence and argumentation, and the varieties of historical research.

Lecture/Discussion/Workshops: Three hours a week

231 THE ATLANTIC REGION

See Canadian Studies 201

232 THE ATLANTIC REGION

See Canadian Studies 202

241 UNITED STATES HISTORY—FROM THE COLONIAL PERIOD TO RECONSTRUCTION

This survey course in United States History begins with the Colonial period and concludes with an examination of the Civil War and Reconstruction. It covers a variety of topics in

social, political, economic, diplomatic, military, and constitutional history.

Lecture: Three hours a week

242 UNITED STATES HISTORY SINCE RECONSTRUCTION

This survey course in modern United States History examines industrial and urban development, modern political trends, social themes, and the development of the United States as a world power. Topics covered include Progressivism, the American role in World War I and World War II, the New Deal, and contemporary American society.

Lecture: Three hours a week

251 GREEK CIVILIZATION

See Classics 101

252 ROMAN CIVILIZATION

See Classics 102

261 MODERN BRITISH HISTORY I

This course surveys the major political, social and cultural developments in British history from the late 17th century to the mid-19th century. Topics may include the structure of the British political system, popular radicalism, industrialization, the "Irish question," Victorian morality and family life, and imperial expansion.

Lecture: Three hours a week

262 MODERN BRITISH HISTORY II

This course surveys British political and social developments from the mid-19th century to the present. Topics may include the advent of a democratic political system, Irish nationalism, the rise of the labour movement, World Wars I and II, and the Thatcher era.

Lecture: Three hours a week

271 AUGUSTUS AND THE EARLY ROMAN EMPIRE

See Classics 202

272 THE LATER ROMAN EMPIRE, 284-410 AD

See Classics 342

281 RELIGIOUS TRADITIONS OF ASIA

See Religious Studies 201

291 INTRODUCTION TO WEST ASIA

See Asian Studies 201

292 INTRODUCTION TO EAST ASIA

See Asian Studies 202

303 EUROPEAN CULTURE AND IDEAS: FROM THE RENAISSANCE TO THE SCIENTIFIC REVOLUTION

This course covers the period from 1300 to 1700. It explores the major intellectual and cultural developments of Early Modern Europe, as well as the beliefs and cultural practices of the common people. Topics may include the impact of the printing press on oral culture; the social and political uses of Renaissance art; religion, magic and witch-hunts; the reformation and popular culture; the origins of modern science; and encounters between the old world and the new.

PREREQUISITE: History 201/202 or permission of the instructor

Lecture: Three hours a week

304 THE EUROPEAN ENLIGHTENMENT, REVOLUTION, AND THE NAPOLEONIC EMPIRE

This course examines the origins, nature, and significance of the European Enlightenment. Specific topics include the French Revolution, the rise of Napoleon, the Scientific Revolution, enlightened despotism, romanticism, and nationalism.
PREREQUISITE: History 202 or permission of the instructor
 Lecture: Three hours a week

305 THE EUROPEAN MIDDLE AGES 500-1300

This course traces the history of Europe from the fall of the Roman Empire to the Black Death of the fourteenth century. Topics include the early history of Christianity and Islam, the Carolingian renaissance, the Viking invasions, the growth of the Papacy, the emergence of nation states, and the Crusades.
PREREQUISITE: History 201/202 or permission of the instructor
 Seminar: Three hours a week

312 THE ART OF HISTORY

This course surveys the philosophy of history from ancient to modern times. It includes both a critical and a speculative focus. The former introduces some representative issues such as the nature of historical understanding and the problems of historical objectivity and causal judgement. The latter characterizes the major historiographical transitions and examines the ideas of representative historians.
PREREQUISITE: History 201/202 or permission of the instructor
 Lecture: Three hours a week

315 EUROPEAN DIPLOMATIC HISTORY 1815-PRESENT

This course traces the history of international relations among the great powers of Europe from the Congress of Vienna to the present day. It explores such topics as the origins and collapse of the nineteenth-century balance of power, the causes of the two world wars, the history of the Cold War, and European foreign policy in the wake of the collapse of the Soviet Union.
PREREQUISITE: History 201/202 or permission of the instructor
 Lecture: Three hours a week

321 HISTORY OF CHRISTIANITY TO THE REFORMATION

This course examines the growth and development of Christianity prior to the Reformation. Special emphasis is placed on the relationship between the growth of the Church and the broader historical context within which it occurred.
 Cross-listed with Religious Studies (cf. Religious Studies 331)
 Lecture: Three hours a week

322 HISTORY OF CHRISTIANITY FROM THE REFORMATION TO THE PRESENT

This course examines some of the principal developments within Christianity from the Reformation until the present. Special emphasis is placed on the relationship between these developments and the broader historical context within which they occurred.
 Cross-listed with Religious Studies (cf. Religious Studies 332)
 Lecture: Three hours a week

323 RUSSIAN HISTORY SINCE 1682

This course explores the political, social, economic, diplomatic, and cultural history of Russia since the reign of Peter the Great. It covers topics such as Russia's rise as a European power in the 18th and 19th centuries, the development of Rus-

sian autocracy, the revolutions of 1905 and 1917, the history of the Soviet Union under Lenin and Stalin, the nationalities question, the collapse of communism, and Russia since Gorbachev.

Lecture: Three hours a week

325 (formerly 405) CANADIAN SOCIAL HISTORY TO WORLD WAR I

This course focuses on selected themes in the day-to-day lives of Canadians within their respective communities to World War I. Topics of study may include native society, pioneering, immigration and outmigration, the Victorian frame of mind, industrialization and urbanization, social and ethnic groups, attitudes and mores, working conditions, reform, the arts, and recreation.

Lecture: Three hours a week

326 (formerly 406) CANADIAN SOCIAL HISTORY SINCE WORLD WAR I

This course focuses on selected themes in the lives of Canadians within their respective communities since World War I. Topics of study may include immigration and ethnicity, industrialization and urbanization, reform, labor, health, education, welfare, crime and punishment, the arts and recreation.

Lecture: Three hours a week

327 MIGRATIONS TO CANADA I

This course explores the history of Canadian migrations between the mid-18th century and the First World War. Migrant groups studied include the Loyalists of the late 18th century, African Americans, the Irish Famine, and the Central and East Europeans.

PREREQUISITES: History 101 and History 102

328 MIGRATIONS TO CANADA II

This course explores the history of Canadian migrations between the First World War and the present. Some of the migrants whose histories will be highlighted are Chinese and Japanese settlers in the west during the early 20th century, Jews, Italians, peoples from the Caribbean islands, and peoples from the Middle East.

PREREQUISITES: History 101 and History 102

331 HISTORY OF PRINCE EDWARD ISLAND—PRE-CONFEDERATION

This study of Prince Edward Island until 1864 emphasizes the French Regime, the development of colonial institutions, the struggle for the attainment of Responsible Government, and the influence of the land tenure system on the economic, political, and social development of the Island.

Lecture: Three hours a week

332 HISTORY OF PRINCE EDWARD ISLAND—POST-CONFEDERATION

This study of Prince Edward Island from 1864 until the present emphasizes the role of the Island in the Confederation movement, its entry into Confederation, and provincial-federal adjustments as they affected Prince Edward Island's history. It is recommended that History 331/332 be taken in sequence.

Lecture: Three hours a week

333 HEALTH CARE AND NORTH AMERICAN SOCIETY IN HISTORICAL PERSPECTIVE

This course explores the history of health, disease and medicine, focussing on North America from the time of contact between Native Peoples and Europeans, to the present. The course is organized around four major themes in the history of

health and illness: historical epidemiology, social and political responses to health and disease, the rise of modern medicine and other health care groups, and the recent challenges to regular medical practice by alternative health care providers. Particular attention is paid to the effects of shifting systems of medical practice on patient experience.

PREREQUISITE: None

Lecture: Three hours a week

334 MADNESS AND SOCIETY

This course examines the history of madness in comparative context from the beginning of the eighteenth century to the present with a focus on Europe and North America. Topics include major historical developments in the understanding of madness such as traditional responses to unsoundness of mind, the development of asylums, the rise of professional psychiatry, scientific models of mental illness, and the community care movement. Pivotal theorists, including Freud, Kraepelin, Foucault, and Szasz are discussed.

Lecture: Three hours a week

341 GERMAN HISTORY SINCE 1500

This course covers the political, diplomatic, social, economic, and cultural history of Germany since the Reformation. It explores topics such as the Thirty Years' War, Austro-Prussian rivalry in the 18th century, German unification in the 19th Century, World War One, Hitler's Third Reich, the division of Germany after 1945, and Germany since the collapse of communism.

Lecture: Three hours a week

342 HISTORY OF FRANCE SINCE 1500

This course covers the political, diplomatic, social, economic, and cultural history of France since the Reformation. It explores topics such as the Wars of Religion, the Age of Louis XIV, the French Revolution, Franco-German rivalry, the Dreyfus Affair, the Presidency of Charles DeGaulle, and the student revolts of 1968.

Lecture: Three hours a week

343 THE PERSECUTION OF THE EARLY CHRISTIANS

See Religious Studies 333

352 THE HISTORY OF QUEBEC AND FRENCH CANADA

This course examines the social, economic and political history of Quebec. It examines economic development, political change, secularization, and the rise of nationalist and separatist movements. It also explores the changing relations between Quebec and prominent French Canadian communities elsewhere in Canada.

Lecture: Three hours a week

362 VICTORIAN BRITAIN

This course explores themes in British social, political and cultural history in the nineteenth century. Topics may include working-class culture and politics, Victorian family life, urban life and poverty, crime and police, imperialism and popular culture, Irish Home Rule, the campaign for women's votes, and the social and cultural ferment of pre-World War I Britain.

PREREQUISITE: Previous course work in British history is recommended

Lecture: Three hours a week

363 MODERN IRISH HISTORY

This course examines the history of Ireland and the Irish emi-

gration overseas, from the 18th Century to the present.

PREREQUISITE: Previous course work in British or European history is recommended.

Seminar: Three hours a week

371 THE ATLANTIC WORLD I

This course examines the emergence of an Atlantic world through the European "discovery," conquest, and colonization of the Americas. The interaction of West African, Western European and Aboriginal American peoples, and the societies and institutions they developed, is the focus of the course. Spanish, English, French and Portuguese activity in the Atlantic and the Americas is surveyed, with particular attention given to topics such as labour systems, religious patterns, agriculture, and the nature of colonial societies before 1700.

PREREQUISITE: A previous course in Canadian, European or American History, or permission of the instructor

Lecture: Three hours a week

372 THE ATLANTIC WORLD II

This course traces the emergence of a maturing Atlantic world from the latter 1600s to the period of independence. The shape and interaction of the English, French, Spanish and Portuguese and their colonial empires, together with the continuing relationship with African and Aboriginal American peoples, is the focus of study. Slavery, the plantation system, differing patterns of development, and political independence are given particular attention.

PREREQUISITE: A previous course in Canadian, European or American History, or permission of the instructor

Lecture: Three hours a week

382 19TH-CENTURY AMERICAN SOCIETY AND CULTURE

This course examines American society and culture primarily in the 19th Century. Topics include immigration, urbanization, family life, women's roles, Black slavery, and popular religion.

Lecture: Three hours a week

385 (formerly 433) WOMEN IN 19th - CENTURY CANADA

This course examines the changes that have taken place in the historical roles of women in Canadian society, and the relationship of these changes to social, economic, and intellectual developments. Using both a thematic and chronological approach, the course examines women's roles from the beginning of the 19th Century to the achievement of suffrage in the 20th Century.

Cross-listed with Women's Studies (cf. Women's Studies 385)

Lecture/Discussion: Three hours a week

386 (formerly 434) WOMEN IN 20th -CENTURY CANADA

This course examines the changes that have taken place in the historical roles of women in Canadian society and the relationship of these changes to social, economic, and intellectual developments. Using both a thematic and chronological approach, the course examines women's roles from the achievement of suffrage to the present.

Cross-listed with Women's Studies (cf. Women's Studies 386)

Lecture/Discussion: Three hours a week

391 THE UNITED STATES FROM 1900 THROUGH WORLD WAR II

This course examines developments in American society and politics from the turn of the century through World War II.

The course covers such topics as Populism, Progressivism, World War I, the “roaring 20s” and the “dirty 30s,” as well as World War II.

Lecture: Three hours a week

392 THE UNITED STATES SINCE WORLD WAR II

This course examines developments in American society and politics since World War II. The course covers such topics as the Cold War, anticommunist crusades, the evolution of the American welfare state, the civil rights movement, the war in Vietnam, and competing visions of America's economic and political destiny.

Lecture: Three hours a week

393 AMERICAN INTELLECTUAL HISTORY 1620-1900

This course examines the history of American thought from the Puritans to the Pragmatists. With an emphasis on religion, politics, and economics, it seeks to identify the principal forces, ideas, and traditions affecting the development of a distinctive American intellectual culture and heritage.

PREREQUISITE: History 241/242 or permission of the instructor

Lecture/Seminar: Three hours a week

394 20TH-CENTURY AMERICAN INTELLECTUAL HISTORY

This course examines the history of American thought in the 20th century. It emphasizes religion, politics, and economics and includes an examination of major intellectuals from William James to Richard Rorty. It seeks to illuminate the principal forces, ideas, and traditions affecting the development of a distinctive American intellectual culture and heritage in what has been coined “America's Century.”

PREREQUISITE: History 241/242 or permission of the instructor

Lecture/Seminar: Three hours a week

396 RACE & ETHNICITY IN AMERICAN LIFE: AFRICAN-AMERICAN HISTORY

This course provides an introduction to African-American history. Beginning with the introduction of slavery into the American colonies, it examines the journey from slavery to freedom, the limits to freedom, and the persistent struggle for civil rights in American society.

PREREQUISITE: History 241/242 or permission of the instructor

Lecture/Seminar: Three hours a week

397 RACE & ETHNICITY IN AMERICAN LIFE: THE HISPANIC-AMERICAN EXPERIENCE

This course provides an introduction to Hispanic-American history. Beginning with the Spanish conquest, this course examines the struggle for independence, the American conquest, and the evolution of Chicano culture and La Raza as aspects of the persistent struggle for civil rights in America.

PREREQUISITE: History 241/242 or permission of the instructor

Lecture/Seminar: Three hours a week

402 FOLK HISTORY OF RURAL PRINCE EDWARD ISLAND

This course focuses on aspects of the rural, farm-based society as experienced in Prince Edward Island until the mid-Twentieth Century. Aspects of the society to be explored include music and storytelling, midwifery and folk medicine, diet, work, farm animals, religious experience, sexuality, and language.

Seminar: Three hours a week

403 THE MICMAC

This course examines the culture of the Micmac as it existed at the time of the arrival of the Europeans, and the changes that have occurred as a consequence of that arrival. The principal focus of the course is the attempt to understand Micmac lifestyle and customs within the context of their overall world-view or cosmology. Aspects of Micmac society to be considered include political and social organization, mythology, material culture, language, hunting and gathering, and medicinal practices.

Lecture: Three hours a week

421 CANADIAN POLITICAL HISTORY 1896-1935

This course examines the important political issues of the period. The topics include the legacy of Sir John A. Macdonald; Laurier, Borden, and Imperialism; Conscription and World War I; Henri Bourassa and French Canadian Nationalism; the industrialization of Canada; the beginnings of agrarian, urban and political protest; and the impact of the Great Depression on Canadian governance.

Lecture/discussion: Three hours a week

422 CANADIAN POLITICAL HISTORY 1935 TO THE PRESENT

This course examines the important political issues of the period. The topics include the legacy of the Bennett New Deal, the origins and growth of the CCF-NDP and the Social Credit movement, and the development of the Canadian welfare state. The course also covers Canada's role in World War II, the military conscription issue during the war years, and post-World War II political and constitutional developments.

Lecture/discussion: Three hours a week

424 HISTORY OF CANADIAN NATIONALISM AND THE CANADIAN IDENTITY

This seminar course examines the development of Canadian nationalist thought and the evolution of the Canadian identity. Topics to be examined may include the evolution of national symbols, such as the Mountie, hockey, and the canoe, and their roles in the process of Canadian nation building and identity formation. The course also examines the influence of the United States and Great Britain in shaping Canadian identity, and the promotion of a distinctive Canadian culture through a variety of media ranging from tourism pamphlets to the CBC.

PREREQUISITE(S): History 101 or 102, or permission of the instructor

Seminar: Three hours a week

425 (formerly 384) CHILDHOOD IN MODERN CANADA

This is a seminar course in 19th- and 20th- Century Canadian social history which takes the experiences of children as its central focus. Themes of study may include the rise and decline of child labour, the development of education and child welfare systems, and changing ideas about childhood and the family.

PREREQUISITE: History 101 or 102, or permission of the instructor

Seminar: Three hours a week

426 (formerly 383) A HISTORY OF THE CANADIAN WORKING CLASSES

From fur trader, to factory hand, to fast-food worker, this seminar course explores the historical experiences of working men, women and children in Canada. Topics of study may include early forms of labour, such as slavery; the industrial revolution and its effects on working class families; the growth of scientific management in the workplace; and the dislocations posed

by the Great Depression and the growth of industrial legality. Working class culture, organization and resistance are considered, as are certain ideas about workers, such as the respectable worker and the “breadwinner.”

PREREQUISITE(S): History 101 or 102, or permission of the instructor

Seminar: Three hours a week

431 CANADIAN EXTERNAL RELATIONS

This course centres on the history of Canadian external relations from the mid-Nineteenth Century to the present. Topics will include the changing nature of the “North Atlantic Triangle,” the growth of autonomy and representation abroad, Canada’s role in the League of Nations and the United Nations, the Cold War, contacts with the developing world, and the complex politico-economic relationship between Canada and the United States.

PREREQUISITE: History 101/102 or permission of the instructor

Lecture/discussion: Three hours a week

432 CANADIAN-AMERICAN RELATIONS

This course examines the political, social and economic relations between Canada and the United States from the mid-Nineteenth Century to the present.

PREREQUISITE: History 101/102 or History 241/242 or permission of the instructor

Lecture/discussion: Three hours a week

441 UNITED STATES FOREIGN POLICY FROM THE REVOLUTIONARY PERIOD THROUGH WORLD WAR I

This course examines the evolution of American foreign policy from the American Revolution through World War I. Topics include neutrality, the changing role of the United States in foreign relations, the interaction between domestic and foreign policy, American expansionism, and political, economic, and cultural relationships between the United States and other countries and peoples.

PREREQUISITE: History 241 or permission of the instructor

Seminar: Three hours a week

442 UNITED STATES FOREIGN POLICY SINCE WORLD WAR I

This course examines the evolution of American foreign policy from World War I through the end of the Cold War. Topics include the interwar years, the origins of World War II, postwar American hegemony, the Cold War, the New World Order, and political, economic, and cultural interaction between the United States and other countries and peoples.

PREREQUISITE: History 242 or permission of the instructor

Seminar: Three hours a week

453 GENDER IN EUROPEAN HISTORY: THE RENAISSANCE TO THE PRESENT

This course examines the varied and often contested meanings of masculinity and femininity in European history. The meanings of gender are explored in relation to major themes and events in European history such as religious controversy, revolution, industrialization, family life, war, and imperialism.

PREREQUISITE: History 201/202 or 261/262 or Women’s Studies 101 or permission of the instructor

Cross-listed with Women’s Studies (cf. Women’s Studies 453)

Seminar: Three hours a week

455 WAR AND REVOLUTION IN THE 20TH CENTURY WORLD

This course examines the history of the world since the First World War. It explores crucial events such as the First and Second World Wars; communist revolution in countries such as Russia, China, Cambodia and Cuba; decolonization; the Korean conflict; war in southeast Asia; the Cold War; the collapse of communism in eastern Europe; and the Persian Gulf War. It also focuses on pivotal figures such as Lenin, Churchill, Hitler, Mao, Thatcher, De Gaulle, Gorbachev, and Castro.

PREREQUISITE: History 201/202 or permission of the instructor

Seminar: Three hours a week

461 HISTORY OF ECONOMIC THOUGHT I

See Economics 311

462 HISTORY OF ECONOMIC THOUGHT II

See Economics 312

472 20th CENTURY GREAT BRITAIN

This course examines selected topics in 20th-century British History. Topics may include the social and cultural impact of World War I, class conflict in inter-war Britain, the experience of World War II at home and at the front, imperial decline, post-war class and racial tensions, and Thatcherite Britain.

PREREQUISITE: Previous course work in British or European history is recommended.

Seminar: Three hours a week

481 19th CENTURY EUROPEAN INTELLECTUAL HISTORY

This course examines the nature and roots of such ideologies as Conservatism, Liberalism, Romanticism, Socialism, Marxism, Positivism, Naturalism and Darwinism.

PREREQUISITE: History 201/202 or Political Studies 251 or permission of the instructor

Cross-listed with Political Studies (cf. Political Studies 434)

Seminar: Three hours a week

482 20th CENTURY EUROPEAN INTELLECTUAL HISTORY

This course examines the nature and historical roots of such ideologies as Symbolism, Futurism, Feminism, Italian Fascism, National Socialism, Soviet Communism, Totalitarianism, Existentialism, and Environmentalism.

PREREQUISITE: History 201/202 or Political Studies 252 or permission of the instructor

Cross-listed with Political Studies (cf. Political Studies 435)

Seminar: Three hours a week

483 THE HISTORY OF THE ENVIRONMENTALIST MOVEMENT

This seminar course covers the history of the environmentalist movement in the United States and Canada since its origins in the late nineteenth century. It describes the changes the movement has undergone thanks to its links to the conservation, eugenics, ecology, birth control, and population control movements. The course also focuses on the writings of key figures in the environmentalist movement, such as Paul Ehrlich, Barry Commoner, Rachel Carson, David Suzuki, and Bill McKibben, as well as the activities of organizations such as the Sierra Club, Zero Population Growth, and Earth First. Students seek to understand the nature of today’s environmentalism as a political, social, and cultural movement by examining what it has meant to earlier generations.

PREREQUISITE: 3rd year standing or permission of the instructor

Seminar: Three hours a week

484 APPLIED PUBLIC HISTORY

This course introduces students to both the field of public history and the application of history and historical methods in a variety of workplace settings. Public history, which involves the practice and presentation of history outside the academic setting, is the domain of a wide variety of practitioners. While the course deals primarily with the North American context, it also addresses questions of ethics, standards, and audience of broader interest to students of history.

PREREQUISITE: Third or fourth year standing in a history major or honours program, as well as permission of the department

Seminar/field work: Three hours a week and eight hours per week of unpaid field work in a public history workplace setting, supervised by a qualified professional acting as a mentor.

Semester hours of credit: 6

485 EUROPEAN INTELLECTUAL HISTORY SINCE 1789

This course covers the history of European ideas since the French Revolution and focuses on the main political ideologies that have arisen over the last two centuries. Topics include conservatism, liberalism, socialism, feminism, imperialism, nationalism, Soviet communism, and environmentalism. The course seeks to determine the fate of these ideologies as the twenty-first century unfolds.

Cross listed with Political Studies (cf. Political Studies 436)

Seminar: Three hours a week

489 20th CENTURY PRINCE EDWARD ISLAND

This course examines major economic, political, and cultural developments within Prince Edward Island during the 20th century. Topics include the effects of technological change; Maritime Union; federal-provincial relations, including transfer payments and the 15-year Comprehensive Development Plan; "Rural Renaissance"; the constitutional discussions of the 1980s and 1990s; and the debate surrounding construction of the "fixed link."

PREREQUISITE: History 332 or permission of the instructor

Seminar: Three hours a week

491-492 DIRECTED STUDIES

These tutorial courses are intended to encourage independent initiative and study on the part of the student. Reading and research are conducted within specialized areas chosen by the student in close consultation with one or more members of the Department. This course is restricted to qualified Third and Fourth Year students in any discipline.

Canadian

The possible areas of study are:

The History of Canadian Native Peoples

Western Canadian History

Canadian Social History (S. Myers)

Canadian Women's History (S. Myers & L. Chilton)

Folk History of Prince Edward Island (D.E. Weale)

PEI Social and Cultural (G.E. MacDonald)

Atlantic Region Social and Cultural (G.E. MacDonald)

American:

U.S. Foreign Policy, 20th-Century (R.G. Kurial)

18th-, 19th-, and 20th-Century America (R.G. Kurial)

Canadian-American Relations

Colonial Societies

British and European:

British History (S. Brown)

British Social and Cultural History (S. Brown & L. Chilton)

Western and Central Europe (I. Dowbiggin)

European, Medieval, Modern, and Intellectual History

(I. Dowbiggin)

Early Modern Europe—Social and Cultural History (S. Brown)

Gender in British and European History (S. Brown)

History of Religion (D.E. Weale)

See Academic Regulation 9 for Regulations Governing

(Directed Studies.)

493 DIRECTED STUDIES (CLASSICS)

See Classics 431 (with approval of History Chair)

494 DIRECTED STUDIES (CLASSICS)

See Classics 432 (with approval of History Chair)

HONOURS COURSES

These courses are restricted to students registered in the History Honours Program. For regulations see above.

497 HONOURS TUTORIAL IN HISTORIOGRAPHY

This is an intensive reading and tutorial course in selected fields offered by the Department. Students should consult with the honours advisor in planning this course. The course normally centres on the historiography of the broad area in which the student's graduating essay is prepared.

Tutorial: Three hours a week

498 HONOURS GRADUATING ESSAY

Students propose, research, and write a major research essay under the supervision of a tutor from the Department. The essay is the subject of a final oral examination. The oral examination committee consists of the major tutor, one additional member from the Department of History, and a faculty member from another Department of the University.

Tutorial: Three semester hours of credit

Island Studies

Co-ordinator

Annie Spears, Economics

Co-ordinating Committee

Godfrey Baldacchino,

Canada Research Chair in Island Studies

Daryl Guignon, Biology

Tim Carroll, Business

David Morrison, Canadian Studies

Mian Ali, Economics

Graham Pike, Education

Brent MacLaine, English

David Weale, History

Director, Institute of Island Studies

Richard Wills, Sociology & Anthropology

Island Studies is an interdisciplinary program designed to promote an understanding of selected features of the world's small islands, including their geographies, ecologies, cultures, political systems, histories, and societies.

The Island Studies program has three primary goals:

- first, to engage students in an emerging, international academic discussion of islands' distinctive characteristics, challenges, and opportunities;

- second, to study Prince Edward Island as a specific example of an island bearing these characteristics and playing out these challenges and opportunities; and
- third, to study islands in a comparative and international framework.

REQUIREMENTS FOR A MINOR IN ISLAND STUDIES

A minor in Island Studies consists of twenty-one (21) semester hours of credit taken from the list of approved courses, and including Island Studies 201. Among the elective courses, students must complete at least two courses (six semester hours) specific to Prince Edward Island and at least two courses (six semester hours) which are comparative. Students intending to complete a minor in Island Studies are encouraged to complete Island Studies 201 early in their course of studies. Students minoring in Island Studies must choose at least 4 courses in subject areas other than those in which they are majoring.

ISLAND STUDIES CORE COURSES

201 INTRODUCTION TO ISLAND STUDIES

This course introduces students to the emerging interdisciplinary and comparative study of islands and archipelagoes. It examines their cultures, geography, economies, historical development, environmental concerns, and systems of governance. It focuses on jurisdictions with varying degrees of self-government such as Barbados, the Faroe Islands, Iceland, the Isle of Man, Malta, and Prince Edward Island.

491-492 DIRECTED STUDIES

In response to individual student needs, Directed Studies courses will be designed in the areas of directed readings or directed research. In addition, "Special topics" courses will be offered from time to time by members of the faculty or visiting instructors.

ELECTIVES

Prince Edward Island Courses

Biology 423	Land Use on Prince Edward Island
English 333	L.M. Montgomery
History 331	History of Prince Edward Island: Pre-Confederation
History 332	History of Prince Edward Island: Post-Confederation
History 402	Folk History of Prince Edward Island
History 489	20th Century Prince Edward Island
Political Studies 202	The Politics and Government of Prince Edward Island

Comparative Courses

Canadian Studies 201 (History 231)	The Atlantic Region
Canadian Studies 202 (History 232)	The Atlantic Region
Economics 212	Regional Economics: Less Developed Areas
Education 462	International Education
Education 465	International Development
English 301	The New English Literatures of Africa and the Caribbean
English 331	The Literature of Atlantic Canada
Physics 261	Energy, Environment, and the Economy
Political Studies 343	Comparative Politics of South Asia
Political Studies 362	The Comparative Politics of Latin America and the Caribbean

Political Studies 422	Ethnic Nationalism in Comparative Perspective
Political Studies 481	Small States and Micro-States in the International System
Sociology 311	Small Groups

NOTE 1

Other courses not specifically focused on islands may, with prior approval of the instructor, the Co-ordinator of Island Studies, and the Dean of Arts, be credited toward an Island Studies minor. In such a case, the students will complete substantial individual work on topics related to islands.

NOTE 2

Students minoring in Island Studies must choose at least 4 courses in subject areas other than those in which they are majoring.

Bachelor of Applied Arts in Print Journalism

Co-ordinator

Anne Furlong, English

Coordinating Committee

David Bulger, Political Studies
Hélène Destremes, Modern Languages
Edward MacDonald, History
Wimal Rankaduwa, Economics

The Bachelor of Applied Arts in Print Journalism is an articulated degree offered by the University of Prince Edward Island in cooperation with Holland College. Students acquire technical training and practical experience in Journalism (primarily during study at Holland College) and also acquire something of the breadth of knowledge, content exposure, and skills in research, problem-solving, and critical thinking associated with liberal education (primarily during study at UPEI). The program differs from a Bachelor of Journalism program, which normally has a more theoretical orientation in exploring the nature of the media. It also differs from a Bachelor of Arts program, which offers greater opportunity for depth of study in an academic discipline, does not have much career-specific orientation, and normally is a minimum requirement for admission to graduate study in the humanities, social sciences and some professional programs.

Students normally undertake one year of study at the University, then complete the two-year Journalism program at Holland College (earning a Holland College diploma), before undertaking a final year of study at the University. The final year of study normally includes an opportunity for journalistic writing either at the University or arranged through Holland College. Deviations from the normal sequence of study between the University and Holland College are permitted. In such cases, at least five courses (15 semester-hours) of study must be completed after the Holland College diploma is earned.

STUDENT ADVISEMENT

Each student accepted into pre-Journalism studies is assigned an academic advisor who is a member of the Journalism Coordinating Committee. Students are expected to meet periodically with their academic advisors regarding their expectations of the program, questions about the program, and course selection.

UNIVERSITY COURSE REQUIREMENTS

Students complete 20 courses (60 semester hours) at the University. The program is designed to ensure breadth of exposure to areas of knowledge important to journalistic practice. The 20 courses must include:

Writing skills

English 101 (first semester, first year)
English 381 (second semester, first year)
Writing 404 (final year)

Ethics

Philosophy 102 or 202 (first year)

Canadian Government

Political Studies 201 or 262 (first year)

Natural sciences methods

Any one of Biology 101, 111, Chemistry 111, Physics 111 (first year)

Canadian history

History 101 or 102

PEI history and experience

Any one of History 331, 332, Political Studies 202, Island Studies 201

Cultural Diversity

Any one course in Anthropology, Sociology/Antropology, or Asian Studies

Numeracy/Statistics

Any one course in Mathematics, Psychology 271, Sociology 332, Business 251

Economics

Economics 111 or any alternate course in Economics

Literature and the arts

Any literature course in English or Modern Languages, or any course in Music, or Fine Arts

Students may select their eight remaining courses from any area of interest. Students are encouraged to consider the following recommended electives:

- French or another second language,
- Linguistics (English),
- Psychology,
- Sociology,
- Women's Studies,
- Business Administration, and
- Philosophy 353 (Philosophies of Communication).

Mathematics and Statistics

www.math.upei.ca/

Mathematics and Statistics Faculty

Gordon MacDonald, Professor, Chair
Maxim Burke, Professor
Ken Sulston, Professor
Lowell Sweet, Professor

David Horrocks, Associate Professor
Shannon Fitzpatrick, Assistant Professor
Dan Ryan, Assistant Professor
Nasser Saad, Assistant Professor

DEGREE PROGRAMS

The Department of Mathematics and Statistics offers three different programs of study leading to a Bachelor of Science degree:

1. Major in Mathematics
2. Honours in Mathematics
3. Major in Mathematics with Engineering

ADMISSION TO PROGRAMS

Students intending to take a major in Mathematics must make their intent known to the Department as soon as possible so that the Department will be able to give early and continued advice for course selection and further study or employment after graduation. Such prospective majors would normally make their intent known to the Department during their Second Year but should do so no later than Third Year.

ADMISSION TO SCIENCE CALCULUS

The First-year Calculus courses for most science students are Math 151 and Math 152. In addition to Grade XII academic Mathematics (or equivalent), a passing grade on either an Assessment Test or Math 001 (Pre-Calculus) is also required as a prerequisite for Math 151. The Pre-Calculus course is offered every Fall by the Department of Mathematics. The Assessment Test covers the standard pre-calculus topics of the High School curriculum (arithmetic, algebra, trigonometry, analytic geometry and the basic theory of functions). This test is of 60 minutes duration and is given during the first week of classes in both the first and second semesters.

SELECTION OF COURSES

Students majoring in Mathematics are permitted to offer Mathematics 101 or Mathematics 111, or both, for degree credit only if these are completed prior to their Third Year.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS

The Major program requires a total of 120 semester hours of course credit. A total of 45 semester hours of Mathematics is required: 33 semester hours of core courses, plus 12 semester hours of electives above the 100 level, at least 6 semester hours of which must be above the 200 level. The core consists of Math 151-152, 221, 242, 251-252, 261, 272, plus any three of Math 301, 331, 351, 361. Nine semester hours of Computer Science are required: Computer Science 151-152 plus 3 semester hours at the 200 level or above. Also required are 15 semester hours of courses offered by the Faculty of Science (other than Mathematics or Computer Science) and 15 semester hours of courses offered by the Faculty of Arts (including the 6 semester hours of English required by the University). Physics 111-112 is highly recommended. Students are strongly encouraged to take some of the science courses early in their program.

The specific courses required are listed below:

	Semester hours of credit
First Year	
Mathematics 151-152.....	6

Computer Science 151-152.....	6
Electives.....	18

Second Year

Mathematics 221	3
Mathematics 242.....	3
Mathematics 251-252.....	6
Mathematics 261	3
Mathematics 272	3
Computer Science.....	3
Electives.....	9

Third & Fourth Year

Mathematics three of 301, 321, 331, 351, 361.....	9
Mathematics Electives.....	12
Electives.....	39
Total.....	120

REQUIREMENTS FOR HONOURS IN MATHEMATICS

The Honours program in Mathematics is designed to provide research experience at the undergraduate level. It is intended for students who are planning to pursue postgraduate studies in Mathematics or a related discipline, or who are planning a career where research experience would be an asset.

The Honours program requires a total of 126 semester hours of course credit. A total of 60 semester hours of Mathematics are required: 36 semester hours of core courses, a 6 semester hour Honours project (Math 480), plus 18 semester hours of electives above the 100 level, at least 3 semester hours of which must be at the 400 level. The core consists of Math 151-152, 221, 242, 251-252, 261, 272, 301, 331, 351, 361. Nine semester hours of Computer Science are required: Computer Science 151-152 plus 3 semester hours at the 200 level or above. Also required are 15 semester hours of courses offered by the Faculty of Science (other than Mathematics or Computer Science) and 15 semester hours of courses offered by the Faculty of Arts (including the 6 semester hours of English required by the University). Physics 111/112 is highly recommended. Students are strongly encouraged to take some of the science courses early in their program.

To graduate with the Honours in Mathematics, students must achieve a minimum average of 75% in all Mathematics courses combined, and must achieve a minimum overall average of 70% in all courses submitted for the degree.

The specific courses required are listed below:

	Semester hours of credit
First Year	
Mathematics 151-152.....	6
Computer Science 151-152.....	6
Electives.....	18

Second Year

Mathematics 242.....	3
Mathematics 251-252.....	6
Mathematics 261	3
Mathematics 272	3
Computer Science.....	3
Electives.....	9

Third and Fourth Year

Mathematics 301	3
Mathematics 331.....	3

Mathematics 351.....	3
Mathematics 361	3
Mathematics 480 (Honours project).....	6
Mathematics Electives.....	21
Electives.....	27
Total.....	126

ENTRANCE REQUIREMENTS

Permission of the Department is required for admission to the program. Students must normally have a minimum average of 70% in all previous courses. Normally, the Department expects first-class or high second-class standing in all previous Mathematics courses. Admission is contingent upon the student finding a project advisor and acceptance by the Department of the topic for the Honours project. Students interested in doing Honours are strongly encouraged to consult with the Department Chair as soon as possible, and no later than January 31 of the student's third year.

REQUIREMENTS FOR A MAJOR IN MATHEMATICS WITH ENGINEERING

Students enrolled in the Engineering Diploma Program may follow an expanded program leading to the Bachelor of Science degree with a major in Mathematics. Students must fulfil all requirements for a Diploma in Engineering, as well as the additional requirements for a Major in Mathematics specified below.

The Mathematics with Engineering program requires a total of 120 semester hours of course credit. A total of 36 semester hours of Mathematics is required: Math 151, 152, 221, 251, 252, 261, 272, 301, 331, one of 351 and 361, and 6 semester hours of electives at the 300 level or above. All of the required courses for a Diploma in Engineering must be completed; specifically: Engineering 121, 122, 221, 222, 231, 311, 312, 321, 332, 341, 352 plus 3 additional semester hours of Engineering at the 300 level or above. Also required are 6 semester hours of Computer Science: Computer Science 151 (or Engineering 231) and one of Computer Science 152, 241, 392. Additional Science requirements are: Physics 111, 112, 211 and Chemistry 111, 112. The remaining electives must include the 6 semester hours of English required by the University.

The specific courses required are listed below:

	Semester hours of credit
First Year	
Math 151-152.....	6
Engineering 121-122.....	6
Physics 111-112.....	6
Chemistry 111-112	6
Electives.....	6

Second Year

Mathematics 251-252.....	6
Mathematics 261	3
Mathematics 272	3
Engineering 221-222	6
Engineering 231 or CS 151	3
CS 152, 241 or 392.....	3
Physics 211.....	3
Elective	3

Third and Fourth Year

Mathematics 221	3
Mathematics 301	3

Mathematics 331.....	3
Mathematics 351 or 361.....	3
Mathematics electives.....	6
Engineering 311-312.....	6
Engineering 321.....	3
Engineering 332.....	3
Engineering 341.....	3
Engineering 352.....	3
Engineering elective.....	3
Electives.....	21
Total.....	120

ACADEMIC MINORS

The Department offers academic minors in both Mathematics and Statistics.

REQUIREMENTS FOR A MINOR IN MATHEMATICS

Students may obtain a minor in Mathematics by completing at least 21 semester hours of courses in Mathematics defined as follows:

	Semester Hours	Credit
Math 151-152 Introductory Calculus I & II.....	6	
Math 251 Intermediate Calculus I.....	3	
Math 261 Linear Algebra.....	3	

Plus 3 semester hours of Mathematics at the 300 level or above, and an additional 6 semester hours of Mathematics at the 200 level or above.

REQUIREMENTS FOR A MINOR IN STATISTICS

Students may obtain a Minor in Statistics by completing at least 21 semester hours of courses in Mathematics defined as follows:

	Semester Hours	Credit
Math 151-152 Introductory Calculus I & II.....	6	
Math 221 Introductory Statistics.....	3	
Math 261 Linear Algebra.....	3	
Math 324 Applied Regression Analysis.....	3	
Math 321 Probability and Mathematical Statistics I.....	3	
EITHER		
Math 322 Probability and Mathematical Statistics II.....	3	
OR		
Math 424 Experimental Design.....	3	

NOTE: Students majoring in Mathematics are not allowed to minor in Statistics. Consult with the Department regarding specializations within the mathematics major.

MATHEMATICS COURSES

001 PRE-CALCULUS

This is a non-credit pre-calculus course which is designed to prepare students for Math 151. Students who obtain a passing grade in this course are not required to write the Assessment Test before being accepted into Math 151. Topics covered in the course include solving linear equations and inequalities; factoring polynomials; solving quadratic equations; domain, range, and graph of a function; composition of functions and inverse functions; exponential, logarithmic and trigonometric functions.

PREREQUISITE: None
Three lecture hours a week

101 ELEMENTS OF MATHEMATICS

(offered in both semesters)

This course provides an introduction to several mathematical topics at the university level, and is intended for students majoring in a discipline other than Mathematics, Computer Science or the natural sciences. The course consists of four modules: (1) Sets and Logic, (2) Number Theory, (3) Geometry, (4) Mathematical Systems.

PREREQUISITE: Grade XII academic Mathematics
Three lecture hours a week

111 FINITE MATHEMATICS

(offered in both semesters)

This course introduces students to finite mathematical techniques and to mathematical models in business, life and the social sciences. The course begins with an introduction to mathematical models, types of models, and conversion of verbal models to mathematical models. Topics covered include systems of linear equations and matrices, linear inequalities and linear programming, sets, counting and probability.

PREREQUISITE: Grade XII academic Mathematics
Three lecture hours a week

NOTE: Credit for Mathematics 111 will not be allowed if taken concurrent with or subsequent to Mathematics 261.

112 CALCULUS FOR THE MANAGERIAL, SOCIAL AND LIFE SCIENCES

(offered in both semesters)

This course provides an introduction to calculus for students in the managerial, social and life sciences. The main emphasis of the course is the development of techniques of differentiation and integration of algebraic, exponential and logarithmic functions. Applications of derivatives and integrals are also discussed.

PREREQUISITE: Grade XII academic Mathematics
Three lecture hours a week

NOTE: Credit will not be given jointly for this course and Math 151 or 152.

151 INTRODUCTORY CALCULUS I

This course is an introduction to differential calculus intended primarily for majors in Mathematics and the Physical Sciences, as well as those planning to continue with further Mathematics courses. The basic theory of functions is reviewed and algebraic, trigonometric, inverse trigonometric, exponential and logarithmic functions are investigated. The concepts of limits and derivatives are introduced and explored graphically and analytically. The tools of differential calculus are used in applications such as: root-finding algorithms; related rates problems; problems involving position, velocity, and acceleration of an object; finding extrema of functions; curve sketching; and indeterminate forms.

PREREQUISITE: Grade XII academic Mathematics and a passing grade on either the Assessment Test or Math 001 (Pre-Calculus)

Three lecture hours and one tutorial session a week

152 INTRODUCTORY CALCULUS II

This course is an introduction to integral calculus, and is a natural continuation of Mathematics 151. The concepts of definite and indefinite integrals are introduced, and the relation between the two integrals is discovered via the Fundamental Theorem of Calculus. Techniques of integration are studied, including improper integrals and numerical integration, and the tools of integral calculus are used in applications such as: finding areas, volumes, arc lengths and surface areas; problems of work; and differential equations.

PREREQUISITE: Math 151

Three lecture hours and one tutorial session a week

221 INTRODUCTORY STATISTICS

(offered in both semesters)

The main objective of this course is to introduce the basic concepts of descriptive statistics, statistical inference, and the use of statistical software such as MINITAB to students in any discipline. More time is spent on statistical inference than on descriptive statistics. Topics include frequency distributions, descriptive statistics, rules of probability, discrete and continuous probability distributions, random sampling and sampling distributions, confidence intervals, one- and two-tail tests of hypotheses, and correlation and linear regression.

PREREQUISITE: Three semester hours of Mathematics
Three lecture hours a week

NOTE: Credit will not be allowed for Mathematics 221 if a student has received credit for any of the following courses: Education 481, Psychology 271 and Sociology 332.

242 DISCRETE MATHEMATICS

This course deals with topics in finite mathematics that are essential for students majoring in Mathematics or Computer Science. It covers topics in graph theory such as trees, circuits, directed graphs, colouring, and algorithms and topics in enumeration such as binomial and multinomial theorems, permutations and combinations, inclusion-exclusion and recurrence relations. There will be an emphasis on developing problem-solving skills.

PREREQUISITE: Math 152
Three lecture hours a week

251 INTERMEDIATE CALCULUS I

This course continues from Mathematics 152 and is primarily an introduction to infinite series and vector calculus. Topics include parametric representations of curves and their applications, polar coordinates, area and arc length in polar coordinates, sequences, series and tests for convergence, Taylor series and Taylor polynomials, three-dimensional coordinate systems, dot and cross products, vector functions, and cylindrical and spherical coordinates.

PREREQUISITE: Math 152
Three lecture hours and one tutorial session a week

252 INTERMEDIATE CALCULUS II

This course continues from Mathematics 251. It introduces multivariable differentiation and integration, and investigates further topics in vector calculus. Topics include: functions of several variables; partial differentiation; directional derivatives; gradient vector; local, absolute, and constrained maxima and minima; double and triple integrals; changes of variables in multiple integrals, especially in polar, cylindrical and spherical coordinates; line integrals; curl and divergence; and Green's, Stokes' and Divergence Theorems.

PREREQUISITE: Math 251
Three lecture hours and one tutorial session a week

261 LINEAR ALGEBRA

This course introduces some of the basic concepts and techniques of linear algebra to students of any major. The emphasis is on the interpretation and development of computational tools. Theory is explained mainly on the basis of two or three dimensional models. Topics covered are: matrices; determinants; systems of equations; vectors in two and three dimensional space including dot and cross products, lines, and planes; concepts of linear independence, basis, and dimension explained with examples; linear transformations and their matrices; eigenvectors and eigenvalues.

PREREQUISITE: Six semester hours of First Year Mathematics

Three lecture hours a week

272 MATHEMATICAL STRUCTURES AND REASONING

This course provides students with experience in writing mathematical arguments. It covers first-order logic, set theory, relations, and functions. The ideas and proof techniques are considered in the context of various mathematical structures such as partial orders, graphs, number systems, and finite groups.

PREREQUISITE: None
Three lecture hours a week

281 FOUNDATIONS OF GEOMETRY

This course presents an axiomatic base for Euclidean geometry and an insight into the interdependence of the various theorems and axioms of that geometry and non-Euclidean geometries. Topics include: incidence and separation properties for points, lines, planes and space; congruence properties; geometric inequalities; similarity properties; and geometric constructions.

PREREQUISITE: Six semester hours of First Year Mathematics
Three lecture hours a week

301 DIFFERENTIAL EQUATIONS

This course introduces the basic theory of differential equations, considers various techniques for their solution, and provides elementary applications. Topics include linear equations; separable equations; linear independence and Wronskian; second-order equations with constant coefficients; nonhomogeneous equations; applications of first- and second-order equations; Laplace and inverse Laplace transforms, and their application to initial-value problems; series solutions about ordinary and singular points; and Fourier series.

PREREQUISITE: Math 251
Three lecture hours a week

321 PROBABILITY AND MATHEMATICAL STATISTICS I

This course is an introduction to the theoretical basis of statistics for students who have completed Introductory Statistics. The study concentrates on the mathematical tools required to develop statistical methodology. Topics covered include: probability, random variables, functions of random variables, expectation, probability distributions, and sampling distributions.

PREREQUISITE: Math 152, and Math 221 or permission of the instructor.
Three lecture hours a week

NOTE: Credit will not be allowed for Mathematics 321 if a student has received credit for any of the following courses: Education 481, Psychology 271 and Sociology 332.

322 PROBABILITY AND MATHEMATICAL STATISTICS II

This course builds on the mathematical foundation developed in Mathematics 321 and introduces the student to the theory of statistical inference. Topics covered include sampling, further discussion of sampling distributions, parametric point and interval estimation, tests of hypothesis, an introduction to Bayesian, linear, and nonparametric methods.

PREREQUISITE: Math 252 and Math 321
Three lecture hours a week

324 APPLIED REGRESSION ANALYSIS

This course builds upon the basis of inference studied in Math 221 and provides students with an advanced knowledge of regression techniques. Topics covered are simple and multiple linear regression techniques, matrix notation, the design matrix, model building techniques, residual analysis, and non-linear regression.

PREREQUISITE: Math 221 and Math 261

Three lecture hours a week

331 COMPLEX VARIABLES

This is a first course in complex variables. The aim is to acquaint students with the elementary complex functions, their properties and derivatives, and with methods of integration. Topics covered include: definition and development of complex numbers as ordered pairs; geometric representation; basic formulas and inequalities involving argument and conjugates; roots of complex numbers, limit, continuity, and derivative; Cauchy Riemann conditions; harmonic functions; properties of trigonometric, hyperbolic, logarithmic, exponential, and inverse trigonometric functions; bilinear transformation; integration; Cauchy Integral Theorem and Formula; residues and poles; Laurent and Taylor's series; and improper integrals.

PREREQUISITE: Math 252

Three lecture hours a week

332 THEORY OF COMPUTING

See Computer Science 332

342 NUMBER THEORY

This first course in number theory will include the following topics: equivalence of the principles of induction and the well-ordering principle; division algorithm; positional notation and repeating decimals; greatest common divisor; Euclidean Algorithm; Fundamental Theorem of Arithmetic; Pythagorean Triplets; Prime Numbers Theorem; Mersenne and Fermat Numbers; congruences; Euler's Phi-function; Chinese Remainder Theorem; Diophantine Equations; Theorems of Lagrange and Wilson; Quadratic Reciprocity Law of Gauss; Legendre symbol and primitive roots; perfect numbers; multiplicative number-theoretic functions; Moebius inversion.

PREREQUISITE: Six semester hours of Mathematics at the 200 level or higher

Three lecture hours a week

351 REAL ANALYSIS I

This is a first course in real analysis. Topics include: the reals as a complete ordered field; metric spaces; closed and open sets; Bolzano-Weierstrass and Heine-Borel Theorems; Cauchy Sequences; limits and continuity; derivative; Mean Value Theorem; Riemann Integral; and the Fundamental Theorem of Calculus.

PREREQUISITE: Math 252 and Math 272

Three lecture hours a week

352 REAL ANALYSIS II

This course follows directly from Mathematics 351. Topics include: the Riemann-Stieltjes Integral, series tests for convergence and divergence, sequences and series of functions, special functions, and topics chosen from functions of several variables, integration of differential forms, the Lebesgue Theory, and metric spaces.

PREREQUISITE: Math 351

Three lecture hours a week

361 ABSTRACT ALGEBRA I

This is a first course in abstract (modern) algebra in which several different algebraic structures are introduced. Topics

covered include: the concept of a group, elementary group properties, subgroups, cyclic groups, permutation groups, cosets, normal subgroups, homomorphisms, the concept of a ring, subrings, ideals, polynomial rings, the concepts of field and vector space.

PREREQUISITE: Math 272

Three lecture hours a week

362 ABSTRACT ALGEBRA II

This is a second course in abstract algebra which continues the study of abstract algebraic structures which was introduced in Mathematics 361. Topics include: quotient groups, group homomorphisms and automorphisms, direct products, the decomposition of finite abelian groups, ideals and quotient rings, field of quotients of an integral domain, Euclidean rings and principal ideal domains, rings of polynomials, unique factorization domains, extension fields.

PREREQUISITE: Math 361

Three lecture hours a week

Three hours a week

371 GRAPH THEORY

This course is an introduction to the ideas, methods, and applications of graph theory. Topics studied include measuring and determining the connectivity of a graph, finding matchings in bipartite and general graphs, and finding a maximum collection of disjoint paths in a graph. Because of its algorithmic nature, this course is of interest to Computer Science and Engineering students, as well as to Mathematics students.

PREREQUISITE: Math 242

Three lecture hours a week

381 METHODS OF APPLIED MATHEMATICS

This course is an introduction to some of the mathematical methods commonly used in the physical sciences and engineering, with an emphasis on applications in physics. Topics include: vector analysis in curvilinear coordinates, tensor analysis (with applications in fluid mechanics), introduction to complex variables, Fourier series, calculus of variations and applications.

Cross-listed with Physics (cf. Physics 381)

PREREQUISITE: Math 252

Three lecture hours a week

385 SPECIAL TOPICS IN MATHEMATICS

This course provides students with an opportunity to pursue special topics in mathematics or statistics. Content varies from year to year and will be at a third-year or fourth-year level. Prospective students should contact the department for a more detailed description of any particular year's offering.

PREREQUISITE: Permission of the instructor

Three lecture hours per week and (possibly) one tutorial session per week

391 MATHEMATICAL MODELLING

This course studies the process of mathematical modelling, namely, formulating a "real-world" problem in mathematical terms, solving the resulting mathematical problem, and interpreting the solution. Major topics include the modelling of optimization problems (using the techniques of linear programming), and deterministic and probabilistic dynamical processes (with models formulated as differential and difference equations). Applications are taken from physics, chemistry, biology and other areas, according to class interest.

PREREQUISITE: Math 261 and Math 301; a statistics course is recommended.

Three lecture hours a week

392 NUMERICAL ANALYSIS

Approximate solution of equations, various interpolative or iterative methods, especially Newton's; convergence tests and rates of convergence; roundoff and truncation errors; propagation of error in calculations; interpolating polynomials; Gauss-Jordan and other methods for simultaneous linear equations; inversion of matrices; determinants and eigenvalues; simultaneous nonlinear equations; evaluation of definite integrals; approximate derivatives; initial-value ordinary differential equations; least-squares curve fitting.

Cross-listed with Computer Science (cf. Computer Science 392)

PREREQUISITE: Math 301 and CS 151 or equivalent

Three lecture hours a week

402 POINT-SET TOPOLOGY

A first course in topology, covering some review of set theory; cardinal numbers; binary relations; metric spaces, convergence and continuity in metric spaces; topological spaces, bases, subspaces; continuity in general; homeomorphism; product spaces; separation axioms; compactness; connectedness.

PREREQUISITE: Math 351

Three lecture hours a week

422 INTRODUCTORY SAMPLING THEORY

This course is an introduction to sampling theory. Topics include: simple random sampling; sampling proportions and percentages; estimation of sample size; stratified random sampling; ratio estimators; regression

PREREQUISITE: Math 321

Three lecture hours a week

424 EXPERIMENTAL DESIGN

This course builds upon the basis of inference studied in Math 221 and Math 324 to include statistical techniques commonly used in experimental studies. Students will study topics such as analysis of variance models, hypothesis testing in ANOVA models, randomization, and blocking techniques.

PREREQUISITE: Math 324

Three lecture hours a week

471 PARTIAL DIFFERENTIAL EQUATIONS

This course is an introduction to the theory and application of partial differential equations. Topics include: first-order equations and characteristic curves; classification of second-order equations as parabolic, hyperbolic or elliptic; Laplace, wave and diffusion equations, and their physical origins; solution using Fourier series; and separation of variables.

PREREQUISITE: Math 252 and Math 301

Three lecture hours a week

472 DYNAMICAL SYSTEMS

This course is a study of the long-term qualitative behaviour of solutions of systems of differential or difference equations.

Topics include: non-linear systems, linearization, numerical and graphical methods, equilibria, phase space, stability, bifurcations, strange attractors, and chaos.

Applications to physics, biology and other sciences are studied.

Cross-listed with Physics (cf. Physics 472)

PREREQUISITE: Math 261 and Math 301

Three lecture hours a week

480 HONOURS PROJECT

This course is intended to give research experience to students planning to pursue graduate studies in mathematics or a related area, or planning a career where research experience would be an asset. It provides students with the opportunity to

do an independent research project on a mathematical topic, under the supervision of a faculty member. Some or all of the work may be done during the summer months.

PREREQUISITE: Acceptance to the Honours program (see Calendar listing for entrance requirements)

Six semester hours of credit

485 SPECIAL TOPICS IN MATHEMATICS

This course provides students with an opportunity to pursue special topics in mathematics or statistics. Content varies from year to year and will be at a third-year or fourth-year level. Prospective students should contact the department for a more detailed description of any particular year's offering.

PREREQUISITE: Permission of the instructor

Three lecture hours per week and (possibly) one tutorial session per week

491-492 DIRECTED STUDIES

These courses are recommended and designed for Mathematics Majors to encourage independent initiative and study. Reading and research will be conducted in one or more specialized areas.

NOTE: Interested students should see the Chair for a list of possible topics.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

Modern Languages

www.upei.ca/modernlanguages/

Modern Languages Faculty

S. Lee, Associate Professor, Chair

L. Zimmermann, Associate Professor

D. Coll, Assistant Professor

C. Lavoie, Assistant Professor

S. Nemeth-Badescu, Assistant Professor

The Department of Modern Languages provides its students with the opportunity to study various languages and to obtain a good grounding in these, but sees languages within its appropriate cultural contexts, i.e., the acquisition is seen as a vehicle to enter the thought, history, literature, cinema etc., with which each of the languages is associated. While the predominant discipline has been and is French, the Department offers full programs in both German and Spanish. In the case of the latter, students other languages are made available in response to student interest and availability of instructor. In the past, introductory courses have been offered in Chinese, Irish, Italian, Japanese, Russian, and Scottish Gaelic. For Japanese or other Asian languages see Asian Studies.

FRENCH

The Department of Modern Languages provides courses for several categories of students: for persons with little or no French, for those who have had French through high school, and for students who are fluent in French through residence, or through family, etc. A placement test must be taken prior to the beginning of classes to confirm the level at which these students should register. The Placement Test is available on the web during the summer months via the Department of Modern Languages Home Page: <http://www.upei.ca/modernlanguages/>. During the rest of the year please contact the departmental secretary.

REQUIREMENTS FOR A MAJOR IN FRENCH

1. A major consists of a minimum of 42 semester hours of French.
2. At least 30 semester hours must be taken from upper-level courses numbered 241 and above.
3. In the case of students transferring credits for courses taken elsewhere at least 12 semester hours at the upper level must be taken at U.P.E.I.

The normal pattern would be:

French 121-122: 6 semester hours

French 221-222: 6 semester hours

Upper-level courses: 30 semester hours

However students who are already fluent in French, e.g., immersion students and anglophones from a French milieu, will not be admitted to 121-122. Their normal pattern will be: French 221-222 or French 231-232: 6 semester hours; upper-level courses: 36 semester hours.

ELECTIVES

Students must include at least 12 semester hours in a modern language or modern languages other than French. In addition to the University's required courses in English, they should also include courses in History and Philosophy.

Students should discuss these courses or other alternatives with the Chair of Modern Languages as early as possible.

REQUIREMENTS FOR A MINOR IN FRENCH

1. A minor in French consists of 21 semester hours of courses.
2. At least 15 semester hours must be taken from among upper-level courses numbered 241 and above.
3. In the case of students transferring credits for courses taken elsewhere, at least 6 semester hours at the upper level must be taken at UPEI.

COURSE SEQUENCES AND RESTRICTIONS

Students may not reverse the sequence of any courses taken from 101 to French 232, with the exception of French 133 which may be taken at any time.

FRENCH COURSES

NOTE: Francophones, Anglophones educated in French schools, and High School Immersion students should consult with the Department as to the level of course appropriate to their ability. They will normally be placed above French 101, 102, 121 and 122.

101 FRENCH I

This course takes the student from the most elementary vocabulary to an ability to function adequately in simple everyday situations. The concentration is on aural/oral skills. Three hours a week plus lab.

102 FRENCH II

This course is a continuation of French 101. Three hours a week plus lab

121 FRENCH III

This course is designed for students who have completed (or almost completed) the high school French core program, for those who have completed 102, or those who are placed into the course through the Placement Test. All major grammar points are covered, with an emphasis on both written and oral expression. **PREREQUISITE:** French 102 or placement by the Department
Three hours a week plus lab

122 FRENCH IV

This course is a continuation of French 121. **PREREQUISITE:** French 121 or permission of the instructor
Three hours a week plus lab

221 INTERMEDIATE FRENCH I

This course is designed for students who have completed the high school French Immersion Program, or who have completed 122, or who are placed into the course through the Placement Test. This course entails a detailed and accelerated study of all areas of French grammar, accompanied by analysis of short texts. Three hours a week plus lab

222 INTERMEDIATE FRENCH II

This course is a continuation of French 221. Three hours a week plus lab
PREREQUISITE: French 221 or placement by the Department
NOTE: Students who have taken French 221-222 will not be permitted to take French 231-232.

UPPER-LEVEL COURSES

NOTE: Only three or four upper-level courses per semester are offered. For courses offered each year check the timetable.

241 FRENCH COMPOSITION AND ANALYSIS I

This course is designed for students who have completed French 222 or 232, or who have been placed into it through the Placement Test. The aim of this course is to improve writing skills through an advanced analysis of both French grammar and short literary and critical texts. Various writing tasks such as the portrait, description, narration, letter-writing, and critical analysis of literary texts are practiced. Three hours a week

242 FRENCH COMPOSITION AND ANALYSIS II

This course is a continuation of French 241. **PREREQUISITE:** French 241 or permission of the instructor. Three hours a week

251 INTRODUCTION TO FRENCH LITERATURE

This course is a survey of the dominant movements and major authors of French literature. It comprises lectures in simple French and readings of the representative passages chosen for their literary importance and their accessibility. Three hours a week

252 LE FRANÇAIS DES AFFAIRES

This course is oriented towards French oral and written communication in the business setting. The world of business is examined from the angle of its vocabulary related to job searches, the C.V., administrative and commercial correspondence, as well as communication as it is used in and outside of the workplace.

While the progression of courses is normally from the 300-level to the 400-level, there is no difference in the level of difficulty, and the available timetable in any given year may involve taking 400-level courses before 300-level courses.

**313 LITTÉRATURE FRANÇAISE
CONTEMPORAINE I**

This course is a study of the leading writers and movements and the historical and social changes which influenced them up to the outbreak of the Second World War.

Three hours a week

**314 LITTÉRATURE FRANÇAISE
CONTEMPORAINE II**

This course deals with the post-war literary scene up to contemporary literature. Well-known authors are reviewed, and some are given in-depth study.

Three hours a week

321 XIXe SIECLE: 1800-1850

This course consists of a study of what has traditionally been known as the Romantic period (1800-1850) in French literature, illustrated by authors such as Chateaubriand, Musset, Hugo, Nerval, and Sand. However, other literary figures of the period such as Stendhal, Balzac, Gautier, Mérimée, whose works (by turns realist, fantastic, or a hybrid mixture of diverse influences) resist easy classification, are also studied.

Three hours a week

322 XIXe SIECLE: 1850-1900

This study of French literature focuses on the second half of the nineteenth-century. The main themes and trends of realism, naturalism and symbolism are studied through texts by authors such as Flaubert, les Goncourt, Baudelaire, Rimbaud, and Zola.

Three hours a week

333 XVIIIe SIECLE: L'AGE DES LUMIERES I

This course provides an introduction to the French literary world of the XVIIIth century, from 1715 to 1750, with emphasis on the historical and political context which led to the age of Enlightenment, as well as on the study of various works of prose and drama produced by famous authors of the time, such as Montesquieu, Diderot, Marivaux and l'Abbé Prévost.

Three hours a week

334 XVIIIe SIECLE: L'AGE DES LUMIERES II

As a continuation of 331, this course focuses on the literary productions of the second half of the century, with emphasis on the critical and philosophical aspects of the works selected, as well as on the development of a pre-romantic sensibility towards the end of that period.

Three hours a week

338 INTRODUCTION à la SOCIÉTÉ QUÉBÉCOISE

This course treats the history and more specifically the culture of Québec. Students examine social productions of Québec throughout history: politics, the family, language, the arts, literature, the educational system, ideologies, fêtes, etc. The course is accompanied by a multimedia presentation including a multitude of images, videos, and films.

339 THÉÂTRE CANADIEN-FRANÇAIS

This course proposes an introduction to theatrical production in French Canada from its origins to the present day. Questions to be discussed include: the representation of history, cultural appropriations, dominant themes, the mixing of genres, time and space, discourse analysis, theatrical language, etc.

343 XVIIe SIECLE: LE GRAND SIECLE I

This course is a study of the major writers associated with the concept of Classicism. The focus is on the first half of the

seventeenth century.

Three hours a week

344 XVIIe SIECLE: LE GRAND SIECLE II

This course focuses on writers in the Age of Louis XIV.

Three hours a week

401 RENAISSANCE

This course focuses on French literature of the XVIth century, with emphasis on the historical and political contexts which have led to the development of Humanism in France, as well as on the study of various works of prose and poetry produced by authors of the time such as Rabelais, Marguerite de Navarre, DuBellay and Montaigne.

Three hours a week

402 LEMOYEN-AGE

This course focuses on French literature from the IXth century to the XVth century, with emphasis on the historical and political contexts which led to the development of literary and cultural discourses in Old French. As well, various works of prose and poetry produced by the authors of the period are studied.

Three hours a week

403 LA NOUVELLE FRANÇAISE

This course comprises a study of the French short story across the centuries, including such authors as Cazotte, Sade, Gautier, Balzac, Maupassant, Flaubert, Mauriac, Camus, and Yourcenar. The readings are coupled with a theoretical attempt to define the genre such as nouvelle, conte, nouvelle contée.

Three hours a week

412 THÉÂTRE FRANÇAIS

This course covers the evolution of French theatre from Romanticism to the present including Hugo, Musset, Giraudoux and Anouilh.

Three hours a week

421 LE ROMAN CONTEMPORAIN I

This course examines the French novel by exploring the various literary and philosophical movements of the contemporary era (existentialism, the new novel, and beyond). These trends are illustrated through readings of representative authors.

Three hours a week

422 LE ROMAN: DES DEBUTS JUSQU'À 1900

This course comprises a survey of the representative works of major French novelists from Madame de la Fayette to Zola. The texts studied are used to illustrate the various historical, philosophical, and literary movements over the past three centuries.

Three hours a week

432 LITTÉRATURE ET CINÉMA

This course consists of the study of the relation between French-language literary texts and their film adaptation, ranging from the seventeenth century to the modern day. Various questions of the inter-textual relationship are explored, including aspects specific to each genre.

Three hours a week

433 LA CRITIQUE LITTÉRAIRE

This course provides an overview of various critical schools and methods whose object is the study of literary texts. Among the approaches studied are narratology, psychoanalysis, so-

ciocriticism, deconstruction, and structuralism. The study of these methodologies is combined with practical applications to literary texts.

Three hours a week

434 THE AUTOBIOGRAPHICAL GENRE IN FRENCH LITERATURE

This course examines French literary works classified as autobiographical, including essays, memoirs, letters, and diaries. It takes as its focus representative authors starting from the Renaissance up to the present day. The texts studied illustrate historical and cultural movements through several centuries of French literature.

441 LITTÉRATURE CANADIENNE-FRANÇAISE I: DE LA NOUVELLE-FRANCE AU XIX^e SIÈCLE

This course proposes a study of the emergence of writing in New France and of the status of the novel in the cultural life of the nineteenth century, specifically the conditions of writing, and the relationship between the novel and the ideologies of the era. It includes a study of works which are thematically and stylistically significant.

Cross-listed with English (cf. English 323)

Three hours a week

442 LITTÉRATURE CANADIENNE-FRANÇAISE II / XX^e SIÈCLE

This course focuses on the development of Quebec's literature from Nelligan to the end of the XXth century. Its emphasis is on the pre-war generation which criticized and broke away from the 'terroir' ideology, with the advent of literary modernity in Quebec, as well as the postmodernist writings of the last decades.

Cross-listed with English (cf. English 324)

Three hours a week

443 CULTURE ET LITTÉRATURE ACADIENNE I

This course examines the development of Acadian culture and literature, with emphasis on traditional culture and oral traditions. Various aspects of Acadian culture are considered: contemporary literature and culture, the works of Acadian writers such as Antonine Maillet, the importance and representation of the Deportation, the influence of Longfellow, the cultural Acadian Renaissance at the end of the XIXth century, and Acadian culture on Prince Edward Island.

Three hours a week

444 CULTURE ET LITTÉRATURE ACADIENNE II

This course focuses on the study of Acadian modernity from the founding of the Editions de l'Acadie in 1974 to the end of the 1990s. It examines modern Acadian poetry, songs, and the emergence of the novel, Acadian drama and the renewed literary forms in Acadian and Canadian contemporary literature through the study of authors such as France Daigle, Herménégilde Chiasson, Gérard LeBlanc and Zachary Richard.

Three hours a week

445 LITTÉRATURE FRANCOPHONE

This course offers an introduction to the various French literary traditions which have evolved outside of France and Canada. It examines the concept of "francophonie", the emergence of French post-colonial discourses in the Caribbean, Central and North Africa and the critical voices of immigrant writers in France, through the study of authors such as Léopold S. Senghor, Sembene Ousmane, Mehdi Charef, and Edouard Glissant.

Three hours a week

446 TRADUCTION: ANGLAIS-FRANÇAIS

This course covers a wide range of everyday material, e.g., government documents, letters, news items, advertising material, and literary extracts in English. Close attention will be paid to the style of language appropriate to each different type of translation.

PREREQUISITE: At least two upper-level French courses and an English composition course, or permission of the instructor. Three hours a week

447 TRADUCTION: FRANÇAIS-ANGLAIS

This course covers a wide range of everyday material, e.g., government documents, letters, news items, advertising material, and literary extracts in French. Close attention will be paid to the style of language appropriate to each different type of translation.

PREREQUISITE: At least two upper-level French courses and an English composition course, or permission of the instructor. Three hours a week

451-452 DIRECTED STUDIES

Centered around an author or a topic, this course is specifically designed to enable students to express themselves and to do research on their own. Students will be given topics to research and to present to the class.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

REQUIREMENTS FOR A MAJOR IN GERMAN AND A MAJOR IN SPANISH

In exceptional circumstances and under the supervision of the Department, a student is allowed to major in German or to major in Spanish if he/she shows a high level of interest and competency in the subject and intends to cover the minimum requirement of 42 semester hours.

This would be done under the approval of a Departmental Committee and the Dean of Arts after all courses taken or intended to be taken, at UPEI or another Canadian or foreign institution, have been considered.

A major consists of a minimum of 42 semester hours of Spanish or 42 semester hours of German.

ELECTIVES

Students must include at least 12 semester hours in a modern language or modern languages other than Spanish (in the case of a major in Spanish) or other than German (in the case of a major in German).

Students should discuss these courses or other alternatives with the Chair of Modern Languages as early as possible.

REQUIREMENTS FOR A MINOR IN GERMAN

A minor in German consists of 21 semester hours of courses in the following sequence:

1. 12 semester hours:

German 101/102 Introductory

German 201/202 Intermediate

2. At least 9 semester hours at the 300 or 400 level in German, at least 6 semester hours must be taken at UPEI at the upper level.

GERMAN COURSES

101 INTRODUCTION TO GERMAN I

(offered in both semesters)

Course for students with no prior knowledge of German. It will pave the way towards competence in the oral and written usages of the modern German colloquial idiom.

Three hours a week plus lab

102 INTRODUCTION TO GERMAN II

(offered in both semesters)

Continuation of the program designed for beginners. The ultimate aim is to provide the student with the practice and knowledge necessary to handle questions pertaining to his daily life and realm of work.

PREREQUISITE: German 101

Three hours a week plus lab

201 INTERMEDIATE GERMAN I

Continuing in the vein established in the previous semesters, the course will start out with a vocabulary of about 1000 words and will promote further oral and written fluency in contemporary German to enable the student to establish social and professional contacts with a German milieu. Work in the language laboratory forms an integral part of the course.

PREREQUISITE: German 102 or Grade 12 German

Three hours a week

202 INTERMEDIATE GERMAN II

By the end of this course the student will be in command of all important structures of spoken and written German, and the active vocabulary will consist of about 2000 lexical units.

PREREQUISITE: German 201

Three hours a week

301 THE GERMAN NOVELLE I

This is the first of two courses comprising the study of the history of the German Novelle, and views representative works by Goethe, Tieck, Brentano, Hoffman, and Kleist as being characteristic of the genre, of their authors, and of the literary periods to which they belong. At the same time the student will continue to study the German language through translation, composition, and oral practice.

PREREQUISITE: German 202 or permission of the instructor

Three hours a week

302 THE GERMAN NOVELLE II

Completion of the study of the Novelle by focusing on examples of the genre taken from various Realistic writers, from Hauptmann, Kafka and Thomas Mann. Written and oral practice of the language continued.

PREREQUISITE: German 301

Three hours a week

311 THREE 19TH CENTURY DRAMATISTS

Kleist, Grillparzer, and Hebbel are viewed as outstanding contributors to dramatic theory and practice of nineteenth-century German drama.

PREREQUISITE: German 202 or equivalent, and permission of the instructor, or German 302

Three hours a week

312 MODERN GERMAN DRAMA

Representative dramas by Hauptmann, Hofmannsthal, Kaiser, and Brecht are studied, taking into consideration their artistic merit and their contribution to the development of modern drama.

PREREQUISITE: As for German 311

Three hours a week

451-452 DIRECTED STUDIES

Centred around an author or a topic, this course is specifically designed to enable students to express themselves and to do research on their own. Students will be given topics to research and to present to the class.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

REQUIREMENTS FOR A MINOR IN SPANISH

A minor in Spanish consists of 21 semester hours of courses in the following sequence:

1. 12 semester hours:

Spanish 101/102 Introductory

Spanish 201/202 Intermediate

2. At least 9 semester hours at the 300 or 400 level in Spanish, at least 6 semester hours must be taken at UPEI at the upper level.

REQUIREMENTS FOR A CERTIFICATE OF PROFICIENCY IN CONVERSATIONAL SPANISH

Studies leading to a Certificate of Proficiency in Conversational Spanish are designed for individuals with no background in Spanish. The program accommodates people wanting to learn Spanish so that they can communicate proficiently with people in another culture, increase professional qualifications, or gain new skills and expertise. Courses at the 100- and 200-level focus on basic language skills in listening, speaking, reading, and writing. Courses at the 300-level emphasize oral linguistic competence through discussion of cultural and socio-political issues in the Hispanic world.

A Certificate of Proficiency in Conversational Spanish consists of:

1. 18 semester hours of courses in the following sequence:

101-102 Introductory Spanish

201-202 Intermediate Spanish

303-304 Advanced Spanish

2. After completion of the required course work, success in an oral examination of linguistic competence in Spanish and knowledge of civilization and culture pertaining to the Hispanic world.

SPANISH COURSES

101-102 INTRODUCTORY SPANISH

Spanish 101 is intended for students with no knowledge of Spanish. Spanish 102 is a continuation of 101. These courses give students solid grounding in the fundamentals of the Spanish language by engaging them, in both classroom and language laboratory settings, in communicative use of the four language skills: listening, speaking, reading and writing. By the end of Spanish 102, students obtain a comprehensive outline of Spanish grammar and are able to sustain a conversation on a variety of daily topics.

Three hours a week plus lab

201-202 INTERMEDIATE SPANISH

These courses are intended for students who have successfully completed Introductory Spanish. They enhance students' linguistic proficiency, allowing them to handle a variety of social

situations. Students also develop cultural and historical understanding of Spain and Latin America. By the end of Spanish 202, students have insight into the grammatical structures of the language, are able to sustain conversations in real-life situations, and are able to discuss aspects of the Hispanic world. **PREREQUISITE:** Spanish 102 or permission of the instructor
Three hours a week plus lab

203 INTENSIVE STUDY ABROAD

This is an intensive second-year level language course offered in cooperation with the University of Salamanca, Spain. Over a three-week period students attend 60 hours of language classes designed to consolidate grammar and common idiomatic expressions, and to increase active vocabulary. In addition, students take part in daily two-hour oral-culture sessions. Students are also encouraged to participate in activities of the university community and in weekend field trips. **PREREQUISITE:** Spanish 102
Six hours a week, in a condensed format

303 ASPECTS OF SPANISH CIVILIZATION AND CULTURE

This course offers a general view of the development of civilization and culture in Spain from its beginnings to the present. It is organized to introduce students to the major political and social movements in Spanish history and the principal trends in the arts that have given Spain an idiosyncratic culture within the broader context of Western Civilization. A variety of language models, including classroom discussions, set the stage for assimilation of the conversational function of the language. The course is conducted in Spanish and is intended to complement language studies as well as provide a foundation for subsequent courses in Hispanic literature. **PREREQUISITE:** Spanish 202 or permission of the instructor

304 ASPECTS OF SPANISH-AMERICAN CIVILIZATION AND CULTURE

This course provides an overview of the beginnings of civilization and culture in Latin America from the Pre-Colombian civilizations of the Mayas, the Aztecs and the Incas to modern times. Five periods are studied in detail: the Pre-Conquest, the Conquest, Colonial Life, Independence Movements, and Modern Times. These historical periods also integrate artistic, cultural and literary movements. The course is conducted in Spanish and is intended to complement language studies as well as provide a foundation for subsequent courses in Hispanic literature. **PREREQUISITE:** Spanish 202 or permission of the instructor
Three hours a week

312 IBERO-AMERICAN LITERATURE

This is a course on Contemporary Ibero-American Literature (from 1810 to the present) with emphasis on the study of the different stylistic trends of this period. Selected works representative of the three traditional literary genres are analyzed in class. Students are also introduced to the basic concepts of theoretical and methodological approaches in the study of literature: narratology, post-structuralism, feminism, and phenomenological hermeneutics. The course is conducted in Spanish and is intended to complement language studies as well as provide a foundation for subsequent courses in Hispanic Literature. **PREREQUISITE:** Spanish 202 or permission of the instructor
Three hours a week

313 SPANISH PENINSULAR LITERATURE

This course introduces the literary tradition of Spain through consideration of the characteristics of its major literary periods: the Renaissance, the Baroque Age, Romanticism, and the Modern Era. Students are introduced to the basic concepts within theoretical and methodological approaches in the study of literature: narratology, post-structuralism, feminism, and phenomenological hermeneutics. The course is conducted in Spanish and is intended to complement language studies as well as provide a foundation for subsequent courses in Hispanic Literature. **PREREQUISITE:** Spanish 202 or permission of the instructor

405 THE LEGACY OF THE SPANISH MYSTICS

This course provides a brief introduction to the study of the mystical tradition that reached Spain in the 16th century and the influence it has had on contemporary women writers. The works of Saint Therese of Jesus and those of St. John of the Cross are studied in detail. Students are introduced to the latest critical trends in literary and feminist theory. Classes are in the form of lectures and seminars, and are conducted in English. Cross-listed with Women's Studies 405 and English 369 **PREREQUISITE:** Spanish 202 or permission of the instructor
No prerequisite for WST 405 or Eng 369
Lecture/Seminar: Three hours a week in Spanish. **NOTE:** Students taking this course as a Spanish credit must submit their written assignments in Spanish. The instructor will provide a weekly tutorial for Spanish students, conducted in Spanish.

451-452 DIRECTED STUDIES

Centered around an author or a topic, this course is specifically designed to enable students to express themselves and to do research on their own. Students will be given topics to research and to present to the class. (See Academic Regulation 9 for Regulations Governing Directed Studies.)

MODERN LANGUAGES

Whenever circumstances warrant it, the Department offers courses in languages other than French, German or Spanish. In the past it has offered introductory courses in RUSSIAN, ITALIAN, JAPANESE, CHINESE, SCOTTISH GAELIC, AND IRISH.

101 INTRODUCTION TO [A SELECTED MODERN LANGUAGE] I

This course provides an introduction to the language in question, through the study of pronunciation, vocabulary and grammar. It includes numerous oral drills, frequent written exercises, short oral presentations and simple readings. Three hours a week

102 INTRODUCTION TO [A SELECTED MODERN LANGUAGE] II

This course is a continuation of Modern Languages 101. It provides further study of vocabulary and grammar and introduces aspects of civilization. Three hours a week.

Music

www.upei.ca/music/

Music Faculty

F. Alan Reesor, Professor Emeritus
 Gregory B. Irvine, Associate Professor, Chair
 Frances M. Gray, Professor
 Karem J. Simon, Professor
 Sung Ha Shin-Bouey, Assistant Professor
 Andrew M. Zinck, Associate Professor
 G. David Shephard, Lecturer
 Donald Fraser, Sessional Lecturer
 Susan Irvine, Sessional Lecturer
 Jacqueline Sorensen, Sessional Lecturer
 Stephen Bouey, Auxiliary
 Jim Dickson, Auxiliary
 Kay Diviney, Auxiliary
 Rowan Fitzgerald, Auxiliary
 Mark Parsons, Auxiliary
 Dale Sorensen, Auxiliary

BACHELOR OF MUSIC PROGRAMS

In addition to the standard University of Prince Edward Island entrance requirements, candidates for the Bachelor of Music and Bachelor of Music Education programs are expected to have obtained a minimum equivalency of RCM (Royal Conservatory of Music) Grade VIII in any instrument or voice and RCM Grade II Theory, as shown in an audition, theory and ear test, and interview.

A personal interview, audition and theory test with faculty of the Music Department will be arranged prior to registration for each student wishing to enter a Music Program.

Students in the Bachelor of Music Program are advised, on choosing an arts or academic elective, to elect an area in which they are prepared to continue at least to the 300 level.

BACHELOR OF MUSIC

The Bachelor of Music Program is designed to provide students with sufficient flexibility to reflect their interests. The first two years are common for all students. During years three and four, students may focus on Theory, History or Applied Music. Upon graduation, students may wish to continue studies at the graduate level in Theory, Composition, Music History, or Performance. Graduation with a Bachelor of Music will not qualify a student for music teacher certification on Prince Edward Island.

BACHELOR OF MUSIC EDUCATION

The Bachelor of Music Education Program is a five-year degree designed to qualify graduates for the teaching of music as specialists in elementary and secondary school music. Upon the completion of this program, a student will qualify for a Prince Edward Island Teaching Certificate 5. Graduates of this program may apply for entrance to a post-degree Bachelor of Education Program at UPEI, which, on the basis of one years' advanced standing, can be completed in one year.

Students in the Bachelor of Music Education Program are advised, on choosing arts or science electives, to elect an area in which they are prepared to continue at least to the 300 level, to provide them with a secondary teaching area.

BACHELOR OF ARTS WITH A MAJOR IN MUSIC

The sole prerequisite for entrance into the B.A. program with a major in Music is the equivalent of RCM Grade II Theory as shown in the Preliminary Music Theory and Ear Tests. The program is designed for those students who wish to study music in a more general Arts curriculum. It is strongly recommended that the student have some music background.

CERTIFICATE IN HIGHLAND BAGPIPES

This certificate is designed for students who wish to specialize in the craft and artistry of Highland bagpiping, within the context of a liberal education. The certificate is awarded only in the context of the concurrent conferral of a Bachelor of Arts with a Major in Music, and upon successful completion of eight courses (Music 107, 108, 207, 208, 307, 308, 407, and 408) of individualized instruction in Highland Bagpipes. In addition to meeting entrance requirements for the Bachelor of Arts with a Major in Music, students seeking admission to the certificate program must successfully complete an audition in Highland Bagpipes at a level equivalent to the Senior Certificate of the Institute of Piping.

COURSES FOR NON-MUSIC MAJORS

Rudiments of Music 103, Understanding Music 104, Music for Film and Stage 203, and Popular Music of the Modern Era 204 may be offered to any student of the University, without prerequisite, although some music reading ability is recommended. Students courses may count as electives on their degrees.

Year I

(common to both Bachelor of Music and Bachelor of Music Education Programs)

	Semester hours of credit
Music 113-114	Theory 6
Music 115	Sight Singing and Dictation 2
Music 116	Keyboard Harmony 1
Music 123-124	History 6
Music 131-132	Major Instrument or Voice 6
Music 143-144	Choral Techniques 4
Arts and/or Science Electives 6
Total	31

NOTE: ENSEMBLE REQUIREMENTS: All students enrolled in a music program are required to satisfactorily complete the requirements for participation in a minimum of six full-year ensembles for a Bachelor of Music Degree as follows:

- Brass, woodwind & percussion majors—2 years Concert Choir and 4 years Wind Symphony
- Piano majors—2 years Concert Choir and 4 years Collaborative Piano (or serving as a pianist in a large ensemble)
- Voice majors—4 years Concert Choir and 2 years Diction Lab

Placement is at the discretion of faculty.

Unless the ensemble requirement is fulfilled, graduation will be denied.

Year II

(common to both Bachelor of Music and Bachelor of Music Education Programs)

	Semester hours of credit
Music 213-214	Theory 6

Music 215	Sight Singing and Dictation	2
Music 216	Keyboard Harmony	1
Music 223-224	History	6
Music 231-232	Major Instrument or Voice	6
Arts and/or Science Electives at 100-200 level (German recommended)		9
Total		30

NOTE: Ensembles required (see note at end of Year I).

Year III

Bachelor of Music

	Semester hours of credit	
Music 313-314	Theory	6
Music 331-332	Major Instrument or Voice	6
Theory and History Electives		6
Music Electives		6
Arts and/or Science Electives		6
Total		30

NOTE: Ensembles required (see note at end of Year I)

Year III

Bachelor of Music Education

	Semester hours of credit	
Music 251	Philosophy of Music Education	2
Music 313-314	Theory	6
Music 331-332	Major Instrument or Voice	6
Music 353-354	Elementary Music Education Methods	4
Music Education Electives		3
Education 474	Technology in Education	3
Arts and/or Science Electives		6
Total		30

NOTE: Ensembles required (see note at end of Year I).

Year IV

Bachelor of Music

	Semester hours of credit	
Music 413	Orchestration	3
Music 431-432	Major Instrument or Voice	6
Music Electives		12
Arts and/or Science Electives		9
Total		30

Year IV

Bachelor of Music Education

	Semester hours of credit	
Music 431-432	Major Instrument or Voice	6
Music 453-454	Secondary Music Education Methods	4
Music 462	Teaching Internship I	3
Music Education Electives		3
Music Electives (not from Music Education Electives)		6
Education 415	The Inclusive Classroom	3
Arts and/or Science Electives		6
Total		31

Year V

Bachelor of Music Education

	Semester hours of credit	
Music 455-456	Conducting	4
Music 464	Teaching Internship II	3
Music Education Electives		10
For primary / elementary students:		
Education 414	Learning Theories	
OR		
Education 463	Culture and Society in Education	3

Education 432-433 Literacy in the Primary Grades 1 & 2

OR

Education 434-435 Language Arts 6 |

For intermediate / secondary students

Education 417 Adolescent Learning

OR

Education 463 Culture and Society in Education 3 |

Education Subject Methods I & II* |

OR

Education 401-402 General Methods* 6 |

Arts and/or Science Electives 3 |

Total **29** |

NOTE: Ensembles required (see note at end of Year I)

*Students electing Subject Methods I & II must have 15-18 hrs in a method discipline other than music. Students not meeting this requirement should elect Education 401-402

BACHELOR OF ARTS WITH A MAJOR IN MUSIC

Semester hours of credit

Year I

Music 113-114	Theory	6
Music 115	Sight Singing and Dictation	2
Music 116	Keyboard Harmony	1
Music 123-124	History	6
Arts and/or Science Electives		15
Total		30

NOTE: Students in the BA with a major in Music program will be required to take part in at least one ensemble for each semester they are in the program. This is equal to a minimum of four full-year ensembles for a BA Major in Music degree, two of which must be in large ensembles. Unless the ensemble requirement is fulfilled, graduation will be denied.

Semester hours of credit

Year II

Music 213-214	Theory	6
Music 215	Sight Singing and Dictation	2
Music 216	Keyboard Harmony	1
Music 223-224	History	6
Arts and/or Science Electives (15)		
or		
Arts and/or Science Electives (9) and		
Music Electives (6)		15
Total		30

NOTE: Ensembles required (see note at end of Year I).

Semester hours of credit

Year III

Music 313-314	Theory	6
6 hours of: (Please see Comment below)		
Music *231-232, *315-316, *317-318, 323-324, 325, *331-332, 413, 415-416, 423-424, 425-426, *431-432, *433-434, *491-492, *493-494		6
Arts and/or Science Electives		18
Total		30

NOTE: Ensembles required (see note at end of Year I).

*Prerequisite: Satisfactory audition or permission of the Chair.

COMMENT: With permission of the Chair, students may elect to take a maximum of six (6) semester hours credit from the following in lieu of the Music electives listed for Years III and IV: 243-244, 245-246, 343-344, 345-346, 347-348, 353-354, 443-444, 445-446, 447, 453-454.

Semester hours of credit

Year IV

12 hours of: (Please see Comment at end of Year III)

Music *231-232, *315-316, *317-318, 323-324, 325, *331-332, 413, 415-416, 423-424, 425-426,	
*431-432, *433-434, *491-492, *493-494.....	12
Arts and/or Science Electives.....	18
Total.....	30

NOTE: Ensembles required (see note at end of Year I)**PLEASE NOTE:** AT LEAST TWO-THIRDS (2/3) OF THE NON-MUSIC ELECTIVES MUST BE ARTS COURSES.

*Prerequisite: Satisfactory audition or permission of the Chair.

BACHELOR OF ARTS WITH A MAJOR IN MUSIC, IN CONJUNCTION WITH CERTIFICATE IN HIGHLAND BAGPIPES**Year I**

Semester hours of credit

Music 107-108	Highland Bagpipes.....	6
Music 113-114	Theory	6
Music 115	Sight Singing and Dictation	2
Music 116	Keyboard Harmony	1
Music 123-124	History.....	6
Arts and/or Science Electives.....		9
Total.....		30

NOTES: (1) **Electives:** Students in the BA with a major in Music, certificate in Highland Bagpipes program complete 60 semester hours of credit in electives. Of these, 24 semester hours are Music electives, and 36 semester hours are to be drawn from non-Music courses in Arts and/or Science. At least two-thirds (2/3) of the non-Music electives must be Arts courses.

Courses available as Music electives are: *315-316, *317-318, 323-324, 325, 413, 415-416, 423-424, 425-426, 433-434, *491-492, *493-494. With permission of the Chair, students may elect to take a maximum of six (6) semester hours of credit in fulfilling their Music electives from among 243-244, 245-246, 343-344, 345-346, 347-348, 353-354, 443-444, 445-446, 447, 453-454.

*Prerequisite: Permission of the Chair

(2) **Ensembles:** Students are required to take part in at least one ensemble for each semester they are in the program. This is equal to a minimum of four full-year ensembles, two of which must be in large ensembles. Unless the ensemble requirement is fulfilled, graduation will be denied.

Year II

Semester hours of credit

Music 207-208	Highland Bagpipes.....	6
Music 213-214	Theory	6
Music 215	Sight Singing and Dictation	2
Music 216	Keyboard Harmony	1
Music 223-224	History.....	6
Arts and/or Science Electives.....		9
Total.....		30

NOTES: See notes at end of Year I regarding electives and ensembles**Year III**

Semester hours of credit

Music 307-308	Highland Bagpipes.....	6
Music 313-314	Theory	6
Music Electives		9
Arts and/or Science Electives.....		9
Total.....		30

NOTES: See notes at end of year I regarding electives and ensembles.**Year IV**

Semester hours of credit

Music 407-408	Highland Bagpipes.....	6
Music Electives		15
Arts and/or Science Electives.....		9
Total.....		30

NOTES: See notes at end of Year I regarding electives and ensembles.**COURSES FOR NON-MUSIC MAJORS**

103	Rudiments of Music
104	Understanding Music
105	Studio Minor
203	Music for Film and Stage
204	Popular Music of the Modern Era
205	Studio Minor
305	Studio Minor
405	Studio Minor

ELECTIVES FOR MUSIC MAJORS**Theory:**

315-316	Composition
317-318	Form and Analysis
413	Orchestration
415-416	Composition
493-494	Directed Studies

History:

323-324	Baroque Era
325	Studies in Film Music
423-424	Canadian Composers
425-426	Selected Composer Study
493-494	Directed Studies

Applied Music:

335	Chamber Music I
336	Recital Performance I
433-434	Literature and Pedagogy of Major Instrument or Voice
435	Chamber Music II
436	Recital Performance II
491-492	Directed Studies in Applied Music

Music Education:

243-244	Choral Techniques
245-246	Percussion Techniques
251	Philosophy of Music Education
343-344	Choral Techniques
345-346	Woodwind Techniques
347-348	String Techniques
353-354	Elementary Music Education Methods
443-444	Choral Techniques
445-446	Brass Techniques

447	Jazz Techniques
453-454	Secondary Music Education Methods
455-456	Conducting
462	Teaching Internship I
464	Teaching Internship II
493-494	Directed Studies

MUSIC COURSES

103 RUDIMENTS OF MUSIC

This is an introductory course in music theory designed to take the novice - one with little or no theory background - through the rudiments of the language, vocabulary, and notation of music. Among the topics covered are the staff, clefs, scale structure, transposition, triads, meter, rhythm, and intervals. This course may not be taken by music majors for credit, but may be taken as preparation for Music 113. It does carry credit towards the BA, BSc, BBA and BScN degrees. Some music reading skill is recommended.

3 hours credit

104 UNDERSTANDING MUSIC

This course provides non-music students with an introduction to intelligent listening to music and critical thinking about musical experiences. Through examples drawn from a variety of musical sources (comprising live, recorded, and videotaped performances of Western and non-Western music), students are initiated into some of the mysteries of musical composition and given a deeper understanding of music as a socio-cultural practice. Music rudiments are kept to a minimum; rather, the emphasis is on what listeners, composers, and performers can bring to musical experiences.

3 hours credit

105 STUDIO MINOR

This course will not be counted toward the credits required for Music degrees. The course will be open to students not in the music program, contingent upon a satisfactory audition. In all cases, the Studio Minor will be offered subject to the individual professors having the necessary time available. This course may entail a one-half-hour lesson per week over two semesters, or a one-hour lesson per week in one semester.

3 hours credit

113 THEORY

This is a study of the basic principles of harmonization in four-part chorale style and an introduction to figured bass symbols and modulation.

PREREQUISITE: A minimum grade of 75% in Music 103 or in the Preliminary Music Theory Test

3 hours credit

114 THEORY

This course is a continuation of Music 113.

PREREQUISITE: Music 113

3 hours credit

115 SIGHT SINGING AND DICTATION

This course is designed to nurture the basic musicianship skills required to recognize music aurally and either to transcribe it into written notation or to sing it at sight. Meter, rhythm patterns, contour, key relationships, and intervals are examined to improve dictation skills; and the moveable doh system with hand-signs is used to improve score reading skills, musical memory, and inner hearing.

PREREQUISITE: A minimum grade of 75% in Music 103 or in the Preliminary Music Theory Test

NOTE: A passing grade must be achieved in both Sight Singing and Dictation skills.

2 hours credit over two semesters

116 KEYBOARD HARMONY

Students who have keyboard skills at the RCM Grade VIII level or higher are introduced to the skills necessary to be able to harmonize melodies at the keyboard and to play from figured bass. Students who do not have RCM Grade VIII equivalency are instructed in functional piano.

1 hour credit over two semesters

123 MUSIC OF THE MIDDLE AGES AND EARLY RENAISSANCE ERAS

This course provides a survey of Western art music from the Middle Ages to the mid-sixteenth century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts.

3 hours credit

124 MUSIC OF THE LATE RENAISSANCE AND BAROQUE ERAS

This course provides a survey of Western art music from the mid-sixteenth century to the mid-eighteenth century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts.

PREREQUISITE: Music 123

3 hours credit

131 MAJOR INSTRUMENT OR VOICE

Individual instruction is given on all standard orchestral and band instruments (woodwinds, percussion, brass), as well as in voice, piano, and organ.

PREREQUISITE: A successful audition

3 hours credit

132 MAJOR INSTRUMENT OR VOICE

This is a continuation of Music 131.

PREREQUISITE: Music 131

3 hours credit

143 CHORAL TECHNIQUES

Instruction is given in principles of choral conducting. Students consider the physical and mental needs of the voice as a musical instrument. Repertoire from the fourteenth century to the present will be selected as conducting exercises to emphasize the fundamental principles of conducting.

PREREQUISITE: Non-music majors must pass a vocal audition.

2 hours credit

144 CHORAL TECHNIQUES

This course is a continuation of Music 143.

PREREQUISITE: Music 143

2 hours credit

203 MUSIC FOR FILM AND STAGE

This course provides an introduction to the ways in which music interacts with the other art forms in the theatre and in films. Selected movies, musicals, ballets, and operas provide the basis of case studies through which the uses of music in a theatrical and cinematic context are explored. This course is for non-music majors only. No previous musical experience is required.

3 hours credit

204 POPULAR MUSIC OF THE MODERN ERA

This course explores the range of North American and European popular music that has arisen since the end of the Second World War. Diverse styles and genres are studied from both a musicological and sociological perspective so that an understanding of the repertoire is informed by an awareness of the cultural contexts of the music. This course is for non-music majors only. No previous musical background is required.
3 hours credit

205 STUDIO MINOR

This course is a continuation of Music 105.
PREREQUISITE: Music 105
3 hours credit

213 THEORY

This course introduces the elements of chromatic harmony and modulation.
PREREQUISITE: Music 114
3 hours credit

214 THEORY

This course is a continuation of Music 213.
PREREQUISITE: Music 213
3 hours credit

215 SIGHT SINGING AND DICTATION

This course is a continuation of Music 115.
PREREQUISITE: Music 115
2 hours credit over two semesters
NOTE: A passing grade must be achieved in both Sight Singing and Dictation skills.

216 KEYBOARD HARMONY

Students who have keyboard skills at the RCM Grade VIII level or higher continue to work on the skills necessary to be able to harmonize melodies at the keyboard and to play from figured bass, and are taught the skills necessary to transpose at sight and to read 4-part scores at the keyboard. Students who do not have RCM Grade VIII equivalency continue instruction in functional piano.
PREREQUISITE: Music 116
1 hour credit over two semesters

223 MUSIC OF THE PRE-CLASSIC AND CLASSIC ERAS

This course provides a survey of Western art music from the mid-eighteenth to the early nineteenth century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts.
PREREQUISITE: Music 124
3 hours credit

224 MUSIC OF THE ROMANTIC ERA

This course provides a survey of Western art music of the nineteenth century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts.
PREREQUISITE: Music 223
3 hours credit

231 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 132.
PREREQUISITE: Music 132
3 hours credit

232 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 231.
PREREQUISITE: Music 231
3 hours credit

243 CHORAL TECHNIQUES

(Not offered every year)
This course provides a continuation of Music 144, with more demanding repertoire. It concentrates on changing tempo, changing meter, and cuing problems.
PREREQUISITE: Music 144
2 hours credit

244 CHORAL TECHNIQUES

(Not offered every year)
This course is a continuation of Music 243.
PREREQUISITE: Music 243
2 hours credit

245 PERCUSSION TECHNIQUES

This course provides group instruction in percussion instruments, including snare drum, tympani, and mallet instruments. It introduces materials and procedures used in teaching these instruments.
2 hours credit

246 PERCUSSION TECHNIQUES

This course is a continuation of Music 245.
PREREQUISITE: Music 245
2 hours credit

251 PHILOSOPHY OF MUSIC EDUCATION

(Offered in alternating years)
This course introduces students to philosophical concepts in music education as well as to key debates and advocacy rationales used in improving and promoting music in the schools. In addition to providing an introduction to historical and contemporary trends in music education, the course aims to develop students' critical thinking through research, debates, discussion, and writing.
2 hours credit

305 STUDIO MINOR

This course is a continuation of Music 205.
PREREQUISITE: Music 205
3 hours credit

313 TWENTIETH-CENTURY MUSIC I

This course provides a survey of Western art music in the first half of the twentieth century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts. In addition to repertoire study and score analysis, individual composition assignments help to acquaint the student with the techniques and idioms of twentieth-century compositional practice.
PREREQUISITE: Music 214 and 224
3 hours credit

314 TWENTIETH-CENTURY MUSIC II

This course provides a survey of Western art music in the second half of the twentieth century, as well as emerging trends in the current century. Selected compositions and composers are examined in detail, with reference to relevant socio-cultural and historical contexts. In addition to repertoire study and score analysis, individual composition assignments help to acquaint the student with the techniques and idioms of twentieth-century compositional practice.

PREREQUISITE: Music 313
3 hours credit

315 COMPOSITION

This course is an introductory course in composition which includes analysis of contemporary works. Students write compositions in smaller forms and structures for voices and instruments.

PREREQUISITE: Permission of the Chair
3 hours credit

316 COMPOSITION

This course is a continuation of Music 315.

PREREQUISITE: Music 315
3 hours credit

317 FORM AND ANALYSIS

This course involves the detailed analysis and study of works, large and small forms, representing a variety of structures from 1650 to the present.

PREREQUISITE: Permission of the Chair
3 hours credit

318 FORM AND ANALYSIS

This course is a continuation of Music 317.

PREREQUISITE: Music 317
3 hours credit

323 BAROQUE ERA

This course surveys musical style from 1600 to 1750.

PREREQUISITE: Music 224
3 hours credit

324 BAROQUE ERA

This course is a continuation of Music 323.

PREREQUISITE: Music 323
3 hours credit

325 STUDIES IN FILM MUSIC

This course introduces students to the ways in which music contributes to the cinematic experience. Through a series of case studies involving analysis of videos and accompanying musical scores, students explore the techniques of film music composition and develop the analytical skills necessary to consider music in a multi-media context.

PREREQUISITE: Music 214, 215 and 224
3 hours credit

331 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 232.

PREREQUISITE: Music 232
3 hours credit

332 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 331.

PREREQUISITE: Music 331
3 hours credit

335 CHAMBER MUSIC I

This course develops chamber music performance skills and competencies through the study of music for the genre selected. Ensembles are formed before the academic year. Each ensemble meets for two hours each week, one of which is with instruction. Public performances are encouraged and at least two must be presented in order to complete the course satisfactorily.

PREREQUISITE: Permission of instructor
Two hours a week for two semesters
3 hours credit

336 RECITAL PERFORMANCE I

This course is open to students who wish to pursue a concentration in performance. Students are required to present a public recital consisting of a minimum of 30 minutes of music.

PREREQUISITE: 80% average in Music 231-232 and 70% average in Music courses in the previous academic year
1 hour credit

345 WOODWIND TECHNIQUES

(Offered in alternating years)

This course provides group instruction in clarinet, saxophone, flute, oboe, and bassoon. Students familiarize themselves with materials used in teaching these instruments.

2 hours credit

346 WOODWIND TECHNIQUES

(Offered in alternating years)

This course is a continuation of Music 345.

PREREQUISITE: Music 345
2 hours credit

347 STRING TECHNIQUES

(Not offered every year)

This course provides group instruction in violin, viola, cello, and bass. It focuses on materials and procedures used in teaching these instruments.

PREREQUISITE: Restricted to 3rd and 4th year music majors
2 hours credit

348 STRING TECHNIQUES

(Not offered every year)

This course is a continuation of Music 347.

PREREQUISITE: Music 347
2 hours credit

353 ELEMENTARY MUSIC EDUCATION METHODS

(Offered in alternating years)

Students examine several approaches to teaching, including those of Orff, Kodaly, Dalcroze and Comprehensive Musician-ship. They examine standard texts and audio-visual resources and use them in class projects.

PREREQUISITE: Music 215 and 251
2 hours credit

354 ELEMENTARY MUSIC EDUCATION METHODS

(Offered in alternating years)

This course is a continuation of Music 353.

PREREQUISITE: Music 353
2 hours credit

405 STUDIO MINOR

This course is a continuation of Music 305.

PREREQUISITE: Music 305
3 hours credit

413 ORCHESTRATION

This course introduces the techniques of orchestration for large ensembles (band and orchestra) and small ensembles.

PREREQUISITE: Music 314
3 hours credit over two semesters

415 COMPOSITION

This course provides instruction in the composition of works in larger forms for solo instruments, chamber ensembles, and large ensembles. Students are expected to complete several works.

PREREQUISITE: Music 316
3 hours credit

416 COMPOSITION

This course is a continuation of Music 415.

PREREQUISITE: Music 415
3 hours credit

423 CANADIAN MUSIC I

This course introduces the music of Canada from the colonial era to the end of World War I, within the context of the socio-cultural, political, and economic history of the country.

PREREQUISITE: Music 224
3 hours credit

424 CANADIAN MUSIC II

This course introduces the music of Canada from the end of World War I to the present, within the context of the socio-cultural, political, and economic history of the country.

PREREQUISITE: Music 423
3 hours credit

425 SELECTED COMPOSER STUDY

In consultation with faculty, the class selects one or more major composer(s) for detailed study.

PREREQUISITE: Music 424
Three hours credit

426 SELECTED COMPOSER STUDY

This course is a continuation of Music 425.

PREREQUISITE: Music 425
3 hours credit

431 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 332.

PREREQUISITE: Music 332
3 hours credit

432 MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 431.

PREREQUISITE: Music 431
3 hours credit

433 LITERATURE AND PEDAGOGY OF MAJOR INSTRUMENT OR VOICE

Students examine literature in their major field and investigate the teaching problems related to their major instrument or voice. Students teach at least one private student for the year.

PREREQUISITE: Music 232
3 hours credit

434 LITERATURE AND PEDAGOGY OF MAJOR INSTRUMENT OR VOICE

This course is a continuation of Music 433.

PREREQUISITE: Music 433
3 hours credit

435 CHAMBER MUSIC II

This course is a continuation of Music 335 in which chamber music performance skills are advanced further. Ensembles are formed before the academic year. Each ensemble meets for two hours each week, one of which is with instruction. Public per-

formances are encouraged and at least two must be presented in order to complete the course satisfactorily.

PREREQUISITE: Music 335 and permission of instructor
Two hours a week for two semesters
3 hours credit

436 RECITAL PERFORMANCE II

This is a continuation of Music 336. Students are required to present a public recital consisting of a minimum of 50 minutes of music.

PREREQUISITE: Music 336, 80% average in Music 331-332 and 70% average in Music courses in the previous academic year.
2 hours credit

444 CHORAL TECHNIQUES

This course is a continuation of Music 443.

PREREQUISITE: Music 443
2 hours credit

445 BRASS TECHNIQUES

(Offered in alternating years)

This course provides group instruction in trumpet, trombone, French horn, euphonium, and tuba. It focuses on materials and procedures used in teaching these instruments.

2 hours credit

446 BRASS TECHNIQUES

This course is a continuation of Music 445.

PREREQUISITE: Music 445
2 hours credit

447 JAZZ TECHNIQUES

(Not offered every year)

In this course, students examine all of the components of the jazz/stage band and are introduced to the styles, techniques, and special effects needed to develop a school jazz ensemble.

PREREQUISITE: Restricted to 3rd and 4th year music majors, or permission of the Chair
3 hours credit

453 SECONDARY MUSIC EDUCATION METHODS

(Offered in alternating years)

This course examines music in the junior and senior high schools with emphasis on methods and materials for general music, choral, and instrumental classes. The teaching of musicianship through performance is examined, as is the growing trend toward integrating performance, analysis, and composition in the secondary schools.

PREREQUISITE: Music 215 and 251
2 hours credit

454 SECONDARY MUSIC EDUCATION METHODS

(Offered in alternating years)

This course is a continuation of Music 453.

PREREQUISITE: Music 453
2 hours credit

455 CONDUCTING

(Offered in alternating years)

This course involves the study of instrumental conducting with an emphasis on techniques and repertoire for the modern wind band. It focuses on basic conducting techniques through more advanced technical problems, as well as rehearsal techniques and score study.

PREREQUISITE: Restricted to 3rd and 4th year music majors
2 hours credit

456 CONDUCTING

(Offered in alternating years)

This course is a continuation of Music 455.

PREREQUISITE: Music 455

2 hours credit

462 TEACHING INTERNSHIP I

This course is the first preservice-teaching component of in-school teaching experience for music education students. In school settings, students begin to develop teaching skills, to implement lesson and rehearsal plans, and to consider the role of classroom methods, learning outcomes, and evaluation procedures. Preservice-teaching commences immediately following the April examinations, and continues for six consecutive weeks.

PREREQUISITE: Music 353-354 or Music 453-454

3 hours credit

464 TEACHING INTERNSHIP II

This course is the second preservice-teaching component of in-school teaching experience for music education students. In school settings, students further develop their teaching skills, lesson planning, rehearsal techniques, and their ability to focus on learning outcomes while becoming reflective practitioners. Preservice-teaching commences immediately following the April examinations, and continues for six consecutive weeks.

PREREQUISITE: Music 462

3 hours credit

491 DIRECTED STUDIES IN APPLIED MUSIC

This course is a continuation of Music 432. An emphasis is placed on a high level of performance in the major instrument or voice.

PREREQUISITE: Music 432 and permission of the Chair

3 hours credit

NOTE: See Academic Regulation 9 for Regulations Governing Directed Studies.

492 DIRECTED STUDIES IN APPLIED MUSIC

This course is a continuation of Music 491.

PREREQUISITE: Music 491 and permission of the Chair

3 hours credit

NOTE: See Academic Regulation 9 for Regulations Governing Directed Studies.

493 DIRECTED STUDIES

This course allows advanced research in a particular area of music such as history, theory, or music education.

NOTE: Students must be at least at the 3rd year level of a B.Mus. or B.A. (Music) program, must possess a special expertise or interest in one facet of musical study, and must apply in writing to the professor concerned and to the Chair of the Department.

PREREQUISITE: Permission of the Chair

3 hours credit

NOTE: See Academic Regulation 9 for Regulations Governing Directed Studies.

494 DIRECTED STUDIES

This course is a continuation of Music 493.

PREREQUISITE: Music 493 and permission of the Chair

3 hours credit

NOTE: See Academic Regulation 9 for Regulations Governing Directed Studies.

Nursing

www.upei.ca/nursing/

Nursing Faculty

Kimberley A. Critchley, Acting Dean, Associate Professor

Rosemary J. Herbert, Associate Professor

Donna A. Murnaghan, Associate Professor

Janet Bryanton, Assistant Professor

Barbara Campbell, Assistant Professor

Mae Gallant, Assistant Professor

Mary Jean McCarthy, Assistant Professor

Jo-Ann MacDonald, Assistant Professor

David Pedlar, Adjunct Professor

Gloria McInnis-Perry, Adjunct Professor

THE BACHELOR OF SCIENCE IN NURSING PROGRAM

The mission of this School is to generate, advance, and disseminate knowledge for excellence in nursing; to create an academic environment which encourages creative and critical inquiry; to prepare competent practitioners grounded in the principles of Primary Health Care; and to provide leadership to a changing system of health care.

Nursing is a unique health profession which integrates studies in the social sciences and the life sciences. Its practitioners must be competent in critical thinking, problem-solving, and psychomotor skills. Their practice is based on research findings and the fundamental beliefs of caring, and is guided by a code of ethics. The goal of nursing is to promote wellness and to provide health care for individuals, families, groups, and communities.

The curriculum of the School of Nursing is based on the concepts and principles of Primary Health Care. Primary Health Care is defined by the World Health Organization (1978) as "essential health care made universally accessible to individuals and families in the community by means acceptable to them, through their full participation and at a cost that the community and country can afford."

In keeping with the basis in Primary Health Care nurses collaborate with clients, other health care providers, and people from other sectors of society in promoting wellness. Nursing roles range from direct caregiver to formulator of healthy public policy and include advocate, leader, educator, researcher, and program developer.

DEGREE REQUIREMENTS

The following regulations govern students' progression through the program:

PROFESSIONAL CONDUCT

1 a) Nursing students are expected to be safe, ethical practitioners in all nursing practice situations. Student performance must be in accordance with the legal, ethical, moral and professional standards identified in the profession's Code of Ethics (CNA, 2002), the Standards for Nursing Practice (AN-PEI, 1999), and the UPEI School of Nursing clinical course objectives. Nursing students are also expected to behave in a professionally appropriate manner, regardless of the setting.

b) The Dean may prohibit a student from attending a clinical placement or dismiss a student from the nursing program if

there is reasonable evidence that the student's professional behaviour, level of clinical competency, or physical or psychological health might be detrimental to clients.

CLINICAL/LABORATORY PERFORMANCE

2. Although clinical/laboratory components of nursing courses may be evaluated by a pass-fail system, students must pass the clinical/laboratory component for successful completion of the course.

3. Attendance at all activities related to clinical/laboratory components of nursing courses is mandatory. Students who are repeatedly absent from clinical/laboratory sessions without just cause will be removed from the course by the Dean and assigned a grade of "F".

4. Students must successfully complete designated nursing courses that have a clinical component in each semester before progressing to subsequent nursing courses with a clinical component in a subsequent semester.

5. Students who are absent from nursing courses that have a clinical component for more than twelve months must reapply to UPEI through the Office of the Registrar. If readmitted, they will be permitted to register for subsequent nursing courses with a clinical component, **only** with the permission of the Dean. The Dean may require the student to complete preparatory remedial work before granting this permission to register.

ACADEMIC PERFORMANCE

6. The minimal grade for successful completion of any nursing course that has a clinical/ laboratory component is 60%. Supplementals will not be permitted in these courses.

7. The minimal grade for successful completion of all other nursing and non-nursing courses is 50%.

8. Students must obtain an overall average of at least 60% in all courses successfully completed in each academic year.

9. Students may not take any required course specifically identified under the heading "Bachelor of Science in Nursing Program" more than twice.

10. Students who fail two nursing courses (courses with a nursing number) will be dismissed from the program.

11. Classroom attendance is mandatory for all nursing courses. Attendance in classes is a student obligation and an un-excused absence is not recognized as a student privilege by the School of Nursing. In the case of repeated absences from classes, without just cause, the instructor may stop evaluating student work and assign a grade of "F".

12. Any student who has completed a lab or class on medications or intravenous therapy in N101, 102, 213, and 323 must write a Mathematics Competency Test, and achieve a grade of 85%. Calculators **are not** permitted during the test. One supplemental test per course will be permitted on the date specified in the course syllabus. **Remedial help is mandatory prior to writing the supplemental test. It is the student's responsibility to arrange help sessions with nursing lab instructors.** The remedial help must be verified by the signatures of both the student and nursing lab instructor before the supplemental test is written. If a student fails to complete the remedial help process, the supplemental test opportunity

is forfeited and the student will be given a failing grade in the course. If a student is not successful in the supplemental test, faculty, in consultation with the Dean of Nursing, reserves the right to assign a failure in the course. The decision to fail the student will be made on a case-by-case basis, with consideration given to the student's academic and clinical performance in the program.

STUDENT DISMISSALS

13. Dismissed students are eligible to apply for re-admission to the program after eight months following the date of dismissal. Re-application must be made to the Registrar's Office. Re-admission is not automatic and the Dean may require students who are re-admitted to complete preparatory remedial work before returning to the program.

TIME LIMIT

14. Except with special permission of the Dean, students must complete their B.Sc.N. degree within seven calendar years from the date of their first registration in the program.

*Please see table on following page.

Except with special permission from the Dean, registration in nursing courses which have a clinical/laboratory component is restricted to students registered in the School of Nursing.

*NOTES:

1. Within their electives, students will be required to complete the following semester hours of credit:

- a. 6 in English, of which 3 must be English 101
- b. 3 in Mathematics (**NOTE:** This pertains to students beginning Nursing program prior to September 2000)
- c. 3 in statistics

2. Students will then be free to choose their remaining 9 semester hours of electives keeping in mind that no more than forty-eight (48) semester hours of credit may be taken at the introductory level in the degree program.

3. For course descriptions of Bio 121, Bio 122, and Bio 232 see Biology.

4. For course descriptions of Psych 101 and Psych 102, see Psychology.

5. For course descriptions FN 101 and FS 341, see Family and Nutritional Sciences.

6. For course descriptions VPM 101, VBS 212, see Veterinary Medicine.

NURSING COURSES

101 THE NATURE OF NURSING

This course is an introduction to the discipline of nursing. Students are introduced to the philosophy of primary health care and the framework for nursing at UPEI. Clinical experiences occur in community settings with well elderly clients. Students learn beginning skills in communication, assessment and psychomotor techniques through active involvement in classroom discussions, labs, and tutorials.

PREREQUISITE(S): none

Semester hours of credit: 3

Hours per week: Lecture: 3 Lab: 2 Other: 2 Community/clinical conference

BACHELOR OF SCIENCE IN NURSING PROGRAM		Weekly Lecture	Contact	Tutorial	Lab/Seminar	Clinical	Semester Hours of Credit
First Year Required:	Course						
BIO 121 (Note 3)	Human Anatomy and Physiology I	3			3		3
BIO 122 (Note 3)	Human Anatomy and Physiology II	3			3		3
VPM 101 (Note 6)	Intro. Microbiology for Nursing Students	3			2		3
NURS 101	Nature of Nursing	3			2	2	3
NURS 102	Nursing in Health Care	3			2	7.5	6
FN 101 (Note 5)	Nutrition for Living	3					3
PSY 101 (Note 4)	Introduction to Psychology I	3			1		3
PSY 102 (Note 4)	Introduction to Psychology II	3					3
Electives (Notes 1 & 2)							3
TOTAL							30
Second Year Required:							
Either PSY 201 OR FS 341 (Note 5)	Developmental Psychology	3	1				3
BIO 232 (Note 3)	Human Development & the Family						
VBS 212 (Note 6)	Introduction to Pharmacology	3	1				3
NURS 203	Pathophysiology for Nursing Students	3			3		3
NURS 213	Health Assessment	3			3		3
NURS 223	Nursing of Young Families	3			3	10.5	6
Electives (Notes 1 & 2)	Nursing of Individuals and Families in Wellness and Illness	3			3	10.5	6
TOTAL							30
Third Year Required:							
NURS 303	Issues in Nursing and Health Care	3					3
NURS 304	Nursing Research Methods	3					3
NURS 306	Nursing of the Childbearing Family		1.5	1.5			3
NURS 313	Developing Partnerships with Clients in the Community	3				15	6
NURS 323	Partnerships with Clients and Families Living with Chronic Illness	3		2		17	6
NURS 305	Health Teaching	3					3
Electives (Notes 1 & 2)							6
TOTAL							30
Spring Term Required:							
NURS 310	Integrated Clinical Experience				2	308 hrs/9 wks	6
Fourth Year Required:							
NURS 401	Nursing and Population Health	3	1.5			22.5	9
NURS 402	Advanced Nursing Focus	2				322 hrs/9 wks	6
NURS 403	Nursing Leadership and Primary Health Care	3					3
NURS 404	Conceptual Models and Nursing Theories	3					3
Electives (Notes 1 & 2)							3
TOTAL							30

102 NURSING IN HEALTH CARE

Students are introduced to the theoretical concept of caring for clients within a primary health care context. Using primary health care as a framework, nursing concepts are explored and strategies for nursing care considered. Students begin to develop a conceptual framework to guide their nursing practice while working with clients in both hospital and long term care settings.

PREREQUISITE(S): Nursing 101, Biology 121

Semester hours of credit: 6

Hours per week: Lecture: 3 Seminar: 2 Other: 7.5 Hospital

203 HEALTH ASSESSMENT

This course provides the student with knowledge and skills for holistic assessment of individuals. Students learn data collection techniques (interviewing skills, critical thinking skills, and the physical examination techniques of inspection, palpation, percussion, and auscultation). The focus is on the well individual. PREREQUISITE(S): Nursing 102, Biology 121 and Biology 122

Semester hours of credit: 3

Hours per week: Lecture: 3 Lab: 3

213 NURSING OF YOUNG FAMILIES

The focus of this course is on caring for healthy children and families in the community and/or caring for children in hospital who have an acute illness or an acute episode of a chronic illness. Students are introduced to the concepts of family-centered care and empowerment and examine structure, function, and tasks of families at various stages of their development. Determinants of health are used as the framework for exploring factors which influence the health of children and families. Common childhood illnesses are also discussed.

PREREQUISITES: Nursing 102, Biology 121, Biology 122

Semester hours of credit: 6

Hours per week: Lecture: 3 Lab/Seminar: 3 Other: 10.5 Community and/or Hospital

223 NURSING OF INDIVIDUALS AND FAMILIES IN WELLNESS AND ILLNESS

In this course the student focuses on the experience of illness and the impact of illness and hospitalization on the patient. The primary focus is the individual patient; however, the individual is considered within the context of the family. Each student has two six week clinical rotations; one rotation involves working with either healthy children in a community setting or with ill children in a hospital setting. six week rotation involves working with adult patients who are experiencing an acute illness or an acute episode of a chronic illness. Students learn to apply the principles of primary health care to nursing practice in the acute care setting.

PREREQUISITES: Nursing 203, Nursing 213

Semester hours of credit: 6

Hours per week: Lecture: 3 Lab/Seminar: 3 Other: 10.5 Hospital and/or Community

303 ISSUES IN NURSING AND HEALTH CARE

In this course students examine ethical, legal, political, and economic issues in a changing health care system and issues related to the profession and to patient care. Students apply principles of organizational theory and ethical decision making models in analysing issues in nursing and health care. This course offers a study of the professional practice of nursing and the values upon which to analyse current issues in Canadian nursing. Strategies for resolving issues in nursing will be emphasized.

PREREQUISITE: Nursing 101 and permission of the instructor if not currently enrolled in the third year of the program.

Semester hours of credit: 3

Hours per week: Lecture: 3

304 NURSING RESEARCH METHODS

This course is an introduction to the methodology used in the conduct of both quantitative and qualitative research. Research concepts, the research process, and analysis, interpretation and utilization of research findings are studied through an examination of the literature in nursing and related disciplines. Emphasis is placed on the novice professional's role as an informed consumer of research, as a generator of potential research questions, and as a collaborator in research relevant to practice.

PREREQUISITE: A course in statistics and permission of the instructor if not currently enrolled in the third year of the program.

Semester hours of credit: 3

Hours per week: Lecture: 3

305 HEALTH TEACHING

In this course, students are introduced to theories and principles of teaching and learning within a primary health care context. The course focuses on the nurse's role as health educator and change agent in promoting healthier lifestyles and enhancing wellness through the use of an empowering approach. Students have an opportunity to apply theory and to develop teaching skills through participation in a variety of community-based teaching activities throughout the semester. PREREQUISITE: Nursing 101 and permission of instructor if not currently enrolled in the third year of the program.

Semester hours of credit: 3

Hours per week: Lecture/Teaching practice: 3

306 NURSING OF THE CHILDBEARING FAMILY

This course focuses on theories, issues, and trends related to the care of the childbearing family. In keeping with a family-centered care philosophy, pregnancy, childbirth, and postpartum are viewed as normal life processes with family members as partners in care. The roles of the nurse as advocate, care provider, and educator are considered in relation to the services of primary health care with emphasis on promotive, preventive, and supportive services. Students apply the theory and content from this course to their clinical practice in Nursing 310 and Nursing 313.

PREREQUISITE: Nursing 323

Semester hour of credit: 3

Hours per week: 1.5 hours tutorial/seminar

310 INTEGRATED CLINICAL EXPERIENCE

This course provides a consolidated clinical experience in which students can integrate theory and practice on a daily basis. Clinical experiences prepare students for the final year of study. Placements are arranged in a variety of settings with clients across the life span.

PREREQUISITE(S): Nursing 306, 313, 323

Semester hours of credit: 6

Hours per week: Lab: 2 Other: 308 hours over 9 weeks in hospital and/or community following the end of the second semester

313 DEVELOPING PARTNERSHIPS WITH CLIENTS IN THE COMMUNITY

This course focuses on promoting and maintaining health and providing support and assistance to individuals, families, and groups in the home and community. Students work in situations of increasing complexity, assessing health, providing

and evaluating interventions, and building partnerships and supportive relationships. Students become more aware of community agencies and resources and begin to participate actively in the referral process. The course involves extensive travel throughout the province.

PREREQUISITE: Nursing 323

Semester hours of credit: 6

Hours per week: Lecture: 3 Lab: 2 Other: 15 Community

323 PARTNERSHIPS WITH CLIENTS AND FAMILIES LIVING WITH CHRONIC ILLNESS

This course encourages students to develop partnerships with clients and families to enhance the quality of life of those experiencing increasingly complex chronic illnesses. The principles of primary health care pertaining to accessibility, intersectoral collaboration and public participation for clients and their families with chronic illness will be examined in depth. Application of these principles to the population of adults experiencing increasingly complex illnesses in acute medical/surgical and mental health settings will be emphasized.

PREREQUISITE: Nursing 223

Semester hours of credit: 6

Hours per week: Lecture /Seminar: 3 Lab: 2 Other: 17 Hospital

391 DIRECTED STUDIES

This course is initiated and offered at the discretion of the School of Nursing. Entry to the course, course content, and the conditions under which the course may be offered are subject to the approval of the Dean of Nursing.

PREREQUISITE: Permission of the instructor

(See Academic Regulation 9 for Regulations Governing Directed Studies)

401 NURSING AND POPULATION HEALTH

This course provides theoretical and clinical opportunities to examine and apply concepts and skills related to population health. Emphasis is placed on the determinants of health, populations at risk for both physical and psychosocial disruptions in health, strategies to promote the health of populations and the role of the nurse in an interdisciplinary and intersectoral approach to health promotion. A unit on epidemiology is included. Students work with community members in the development of a program to promote the health of the community. Students are assigned to work with a preceptor and gain experience in one or two of a wide variety of settings in rural and urban communities.

PREREQUISITE: Nursing 310

Semester hours of credit: 9

Hours per week: Lecture: 3 Tutorial: 1.5 Other: 22.5 Community

402 ADVANCED NURSING FOCUS

This course provides a final opportunity for students to synthesize their knowledge, skills, and professional values in a selected nursing practice setting. Emphasis is on the complexity of comprehensive nursing care and the significance of health promotion measures. Students select an area of focus in consultation with a faculty member and a clinical preceptor. Placement is dependent on the availability of appropriate clinical experience. Students work with selected clients (individuals, families, and/or aggregates) to enhance their current level of health and maximize their active participation within various facets of health care.

PREREQUISITE: Nursing 401

Semester hours of credit: 6

Hours per week: Lecture/Seminar: 2 Other: 322 hours over 9 weeks in hospital and/or community

403 NURSING LEADERSHIP AND PRIMARY HEALTH CARE

This course extends the student's ability to examine theoretical and practice concepts in nursing leadership/management and primary health care. Students discuss concepts in health care organization(s) and management and the implications of those concepts when analysing leadership styles in a clinical setting. Students explore leadership roles assumed by nurses and examine challenges confronting nursing leaders in an era of change. Emphasis is placed on strategies to enhance nursing influence on the evolving Canadian health care system. Models of partnership, decision making, collaboration and communication and the importance of team work are stressed.

PREREQUISITE: Nursing 310 or permission of the instructor if not currently enrolled in the fourth year of the program.

Semester hours of credit: 3

Hours per week: Lecture: 3

404 CONCEPTUAL MODELS AND NURSING THEORIES

In this course, students are introduced to the works of selected nurse theorists. Students develop skills in critical analysis and application of conceptual models and theories to practice.

PREREQUISITE: Nursing 310

Semester hours of credit: 3

Hours per week: 3

Lecture: 3

Philosophy

www.upei.ca/philosophy/

Philosophy Faculty

Verner Smitheram, Professor Emeritus

Tony Couture, Associate Professor, Chair

Neb Kujundzic, Associate Professor

Malcolm Murray, Associate Professor

Pamela Courtenay-Hall, Assistant Professor

David Bulger, Adjunct Professor

Dennis Lomas, Adjunct Professor

Glen Melanson, Adjunct Professor

REQUIREMENTS FOR A MAJOR IN PHILOSOPHY

Students must complete a minimum of 42 semester hours in Philosophy with at least six courses (18 hours) at the 300 or 400 level.

NOTE: All courses are 3 hours.

Certain Philosophy courses at the 300 and 400 level have a History of Philosophy course as a prerequisite. The History of Philosophy courses are: 211, 213, 262, 381, and 422.

- At least one introductory course from among:
 - 101 Introduction to Philosophy
 - 102 Introduction to Ethics and Social Philosophy
 - 105 Technology, Values, and Science
- Six courses central to the discipline of Philosophy:
 - 111 Critical Thinking
 - 221 Social Philosophy
 - 222 Political Philosophy
 - 251 Formal Logic
 - 303 Ethical Theory I
 - 373 Philosophy of Language

3. Seven other Philosophy courses, including at least one Directed Studies (431/432)

REQUIREMENTS FOR A MINOR IN PHILOSOPHY

1. A minor in Philosophy consists of twenty-one semester hours in Philosophy

2. Required courses are: Philosophy 101 (Introduction); 111 (Critical Thinking); 202 (Contemporary Moral Issues) or 303 (Ethical Theory I); and one history of Philosophy course from among 211, 213, 381.

3. Courses should be selected in consultation with the Chair.

PHILOSOPHY COURSES

101 INTRODUCTION TO PHILOSOPHY

This course introduces philosophical inquiry and explores questions such as: What are the principles of rational inquiry? Are there different types of knowledge? How is it possible to know something, and what can one know? How do religious beliefs differ from other types of beliefs? What are some of the traditional arguments regarding the existence of God?

Lectures: Three hours a week

102 INTRODUCTION TO ETHICS AND SOCIAL PHILOSOPHY

This general course introduces values in personal situations and community conflicts, and emphasizes classical sources such as Plato. Possible questions include: Which way of life would make living most worthwhile for each of us? What is the good life? What is a just society? How does one evaluate different lifestyles and values?

Lectures: Three hours a week

105 TECHNOLOGY, VALUES, AND SCIENCE

This course explores the connections among technology, human values, and science that are manifested in society, economic systems, and relationships between humans and the natural world. The study of the connections reveal the vast impact that science and technology have on our understanding of the world and our views on the future as well as on personal identity and the human body. It exposes students to critical examination of objectivity in scientific research, progress in technology and science, scientific risk assessment, and genetic engineering. No particular background in science is assumed in this course.

Lectures: Three hours a week

111 CRITICAL THINKING

This course helps students identify and evaluate various types of arguments couched in ordinary language. Different types of errors of reasoning are critically evaluated, such as argument from authority, begging the question, faulty causal correlation, appeal to emotions, inadequate sample, and deceptive use of statistics. The course aids the student in recognizing occurrences of these fallacies, and the conditions for logical error and weak argumentation in general. Emphasis is placed on the identification of weak arguments and the construction of strong arguments. Examples for critique and counter argument are derived mainly from the popular media.

Lectures, discussion and group presentation.

Three hours a week

202 CONTEMPORARY MORAL ISSUES

Specific moral issues of contemporary concern such as abortion, euthanasia, welfare, and capital punishment form the basic content of the course. Although some basic ethical theory is discussed, the course's primary concern is with applied ethics (as opposed to ethical theory as taught in Philosophy 303). Students learn to distinguish justifiable ethical arguments from those more problematic.

Lectures and seminars: Three hours a week

203 ENVIRONMENTAL PHILOSOPHY

This course explores the contours of contemporary environmental thought and the diversity of approaches to environmental ethics. Emphasis is on critically understanding historical, cultural and ideological diversity while exploring the moral contours of human-nature interactions, both locally and globally. Topics may include the question of values in nature; environmental movements; aboriginal and postcolonial perspectives; social justice as related to the environment; spirituality; sustainability and consumption; the privatization of environmental morality; inhabiting vs. residing; place, art and environmental education.

Lecture: Three hours a week

211 ORIGINS OF WESTERN PHILOSOPHY

This course traces the development of philosophical thought from the Pre-Socratics to the Neo-Platonists and Christian thinkers of late antiquity. The great questions posed by these early philosophers concerning the origins of the universe, the ultimate nature of reality, the frequent conflict between human nature and moral/social obligation, together with their bold answers, are examined thoroughly.

Lectures and seminars: Three hours a week

213 EXISTENTIALISM

Themes studied in this course may include consciousness, subjectivity, authenticity, fact versus interpretation, the role of faith and emotions in a meaningful life, intersubjectivity and community, freedom, alienation, noncognitivism, anti-theory, and moral responsibility. Writers such as Nietzsche, Kierkegaard, Sartre, de Beauvoir, and Camus are the primary focus of discussion.

Lectures: Three hours a week

214 PHILOSOPHY OF HUMOUR

This course emphasizes the overlapping aspects of philosophy and humour, as well as the role of humour in culture and valuing life. What is comedy? What is humour? What is laughter? What is the difference between laughing at people and laughing with them? Students explore the three traditional theories of humour (Superiority theory, Incongruity theory and Relief theory) as found in thinkers such as Plato, Hobbes, Kant, Schopenhauer, Spencer, and Freud. Students discuss Lenny Bruce's autobiography as a case study in problematic humour and free speech controversies.

Lectures: Three hours a week

221 SOCIAL PHILOSOPHY

This course explores a series of basic questions about the nature of social existence. It emphasizes the concept of a "social contract," and analyzes historical development in Western philosophers such as Hobbes, Locke, Hume and Rousseau. It discusses twentieth century development, such as the philosophy of John Rawls.

Lectures: Three hours a week

222 POLITICAL PHILOSOPHY

This investigation of the philosophical problems of life in communities focuses primarily on the concept of rights. What is a right? Are there any inalienable rights? How are rights justified? When is discourse in terms of rights appropriate and inappropriate? Students consider the history of human rights and international differences regarding rights, with special attention to the development of women's rights.

Lectures: Three hours a week

235 SKEPTICISM, AGNOSTICISM, ATHEISM, BELIEF

See Religious Studies 235

242 PHILOSOPHIES OF LOVE AND SEXUALITY

This course explores philosophical issues related to love and sexuality as constructed and experienced in particular cultural and historical contexts in Anglo-American culture. Topics may include analysis of love and sexuality as portrayed in music, literature, film and art; kinds of love; conceptions of self and community underlying different accounts of love; sexual activity as expressive, communicative, sacred, profane, athletic, goal-oriented; the commodification of sex; competing conceptions of sexual health and sexual liberation; conservative, liberal, radical and feminist perspectives; ethical issues in intimate relationships, families, sex-trade work and pornography.

Lecture: Three hours a week

243 INTRODUCTION TO FEMINIST ETHICS

This course introduces students to feminist perspectives in moral philosophy and ethical analysis. Core topics include: historical overview, the difference that feminist and postcolonial perspectives have made in Western moral theory; the ethics of care/ethics of justice debate and beyond; selected issues in feminist ethics; selected topics for ethical analysis (e.g., the politics of appearance, sexuality and violence, women and families, women and work, health care, reproductive technologies, environmental issues).

Cross-listed with Women's Studies (cf. Women's Studies 243)

PREREQUISITE: Successful completion of a first- or second-year course in Philosophy or in Women's Studies, or permission of the instructor

Lectures: Three hours a week

251 FORMAL LOGIC

This course is an introduction to the theory and techniques of classical and modern logic. Students are exposed to the basic concepts of classical propositional and quantificational logic and methods of testing inference. As well, students are exposed to several logical systems that purport to extend classical logic.

Lectures and seminars: Three hours a week

262 PLATO AND ARISTOTLE

This course examines theories of knowledge and beliefs about the fundamental structure of the cosmos in relation to aspects of the human condition found in the works of the two most influential ancient philosophers, Plato and Aristotle. Students study selected primary texts such as the *Meno*, the *Symposium*, the *Republic* and the *Timaeus* of Plato and the *Physics* and the *Metaphysics* of Aristotle.

Cross-listed with Classics (cf. Classics 262)

PREREQUISITE: One of Philosophy 101, 102, 211, or a course in Classics

Lectures and seminars: Three hours a week

264 RELIGION AND PHILOSOPHY IN CHINA

See Religious Studies 261

301 PHILOSOPHY OF SCIENCE

Science involves a set of attitudes, a system of beliefs, and a group of activities oriented to explaining the natural world. This course examines both the classical positivist accounts of scientific theory and practice and the more recent accounts of development and change in the global scientific culture.

PREREQUISITE: Six hours in Philosophy or at least third-year Arts or Science status, or permission of the instructor.

Lectures and seminars: Three hours a week

303 HISTORY OF ETHICAL THEORY TO 1900

This course offers an historical and critical examination of influential ethical theories proposed by philosophers ranging from Aristotle to Nietzsche. The focus is on the philosophical justification for morality, and not on applied issues.

PREREQUISITE: One of Philosophy 202, 304, 404, or permission of the instructor.

Lectures: Three hours a week

304 BIO-MEDICAL ETHICS

This course explores questions in health care that require philosophical clarification and appraisal in addition to medical knowledge. Topics such as reproductive decision-making, contract motherhood, allocation of scarce resources, conditions for the withdrawal of treatment, rights to health care, euthanasia, AIDS, eugenics and consent are discussed. The emphasis is on evaluating competing arguments.

PREREQUISITE: One of Philosophy 102, 202, 303 or permission of the instructor based on experience in the health care field

Lectures and seminars: Three hours a week

343 TOPICS IN FEMINIST PHILOSOPHY

This course introduces students to selected topics, literatures and methods in feminist philosophical analysis, with an emphasis on understanding the distinctive contributions to knowledge that feminist perspectives and methods bring. Possible topics include: Feminist philosophies of science; history of feminist philosophy; feminist perspectives on the family; feminist perspectives on love and sexuality.

Cross-listed with Women's Studies (cf. Women's Studies 343)

PREREQUISITE: Successful completion of three first- or second-year courses in Philosophy or in Women's Studies, or permission of the instructor

Lectures and seminars: Three hours a week

351 PHILOSOPHY OF LAW

This course is designed to acquaint students with important philosophical concepts underlying the notion of legality and justice. These include the concepts of equality and inequality, legal obligation, punishment, and rights. Various traditional theories of law will be examined from that proposed by Plato in the *Republic* and Aristotle's *Politics* through Aquinas to John Locke, Jean-Jacques Rousseau, Jeremy Bentham and John Stuart Mill. Contemporary theories of H.C.A. Hart, Gregory Vlastos and John Rawls may be examined as well.

PREREQUISITE: Six hours in Philosophy or permission of the instructor

Lectures: Three hours a week

353 PHILOSOPHIES OF COMMUNICATION

This course explores the history of thinking about communication, including technologies such as printing, relevant disciplines such as journalism, human rights, and the role of media as agents of social change. Topics include the history of free expression, censorship, the emergence of the public sphere,

techniques for influencing public opinion, communication and war, propaganda and truth. Thinkers such as Condorcet, Godwin, J.S. Mill, Ellul, McLuhan, Habermas, Chomsky, Matelart, and contemporary theorists may be discussed.
Lecture: Three hours a week

354 PHILOSOPHY OF MIND

This course examines basic problems in philosophical psychology, such as the mind/body problem, intentionality, artificial intelligence, functionalism, the nature of consciousness, and virtual realities. Thinkers such as J. Searle, D. Dennett, J.J.C. Smart, J. Fodor, P. Churchland, F. Dretske, and K. Sterelny may be discussed.
PREREQUISITE(s): Six hours in philosophy; or permission of the instructor.

Lectures: Three hours per week

361 PHILOSOPHY AND LITERATURE

An examination of the ways in which similar basic human concerns are expressed and developed in philosophy and literature. The course focuses on the use of literature in learning philosophy, with particular attention to the novel as a vehicle for bringing philosophy to the masses and the connections between literature and social change. It also explores the history of theories of literature and popular culture, including work by Habermas, McLuhan, Camus, Sartre, Rorty and Kundera.
Cross-listed with English (cf. English 313)
Lectures: Three hours a week

362 PHILOSOPHY OF RELIGION

An examination of the nature of religion and the logic of religious belief. Some of the traditional and recent arguments for and against belief in God will be critically evaluated. The differences between rational and non-rational approaches to religion will be considered, especially as these illustrate the differences between Western and Eastern philosophies and religions. Special emphasis will be given to concepts of "God" and the problems posed by religious language.
Cross-listed with Religious Studies (cf. Religious Studies 362)
PREREQUISITE: Six hours in Philosophy or permission of the instructor
Lectures and seminars: Three hours a week

363 PHILOSOPHY OF BIOLOGY

Students explore how biology informs our philosophical conceptions of nature and our place in it. Topics include evolutionary theory, human nature, adaptation, development, units of selection, function, species, altruism, the human genome project, conceptions of progress, and creationism.
Lecture: Three hours a week

370 COMMUNITY-BASED ETHICAL INQUIRY

This course will engage students in work placements and dialogue in ethical inquiry with community leaders in one of the following areas: agriculture and globalization; poverty and illiteracy in PEI; world hunger and international aid; environmental problems and issues of sustainability on PEI. Students will explore the nature of moral experience while gaining on the ground work experience so that class discussions will be informed by first-hand understanding of the issues, as well as by recent and classic ethical texts. This course will be led by a faculty member in collaboration with recognized community leaders in the field.
Seminar/field work: Three hours a week and up to eight hours per week of unpaid field work in a relevant setting, supervised by a mentor.
Six semester hours of credit

373 PHILOSOPHY OF LANGUAGE

This course introduces philosophical problems concerning language and provides a grounding in analytic philosophy. Students discuss truth and meaning, reference, speech acts, interpretation and translation, and metaphor. Questions such as the following are examined: What are the relationships among language, mind, and the world? How does language colour our thoughts about reality? Does each language bring with it a distinct conceptual system?
PREREQUISITE: Six hours in Philosophy
Lectures and seminars: Three hours a week

381 MODERN PHILOSOPHY—DESCARTES TO KANT

This is a study of the important themes which transformed Western thinking in the period from 1630 to 1800. Students explore the rise of modern science and its challenges to earlier views of knowledge, faith, cosmology, morality, and society in selected primary texts. Early thinkers such as Descartes, Berkeley, Hobbes, Locke, Leibniz, and Spinoza and Enlightenment figures such as Hume, Rousseau, D'Holbach and Kant are studied.
PREREQUISITE: One History of Philosophy course and one of Philosophy 101 or 102 (six hours total)
Lectures and seminars: Three hours a week

383 RADICAL PHILOSOPHY

This course explores attempts by philosophers, in the 19th and 20th centuries, to create alternative social movements that are highly critical of existing social organizations and the state form of life. It provides an historical introduction to Marxism, anarchism and feminist social theory. Texts are selected from Godwin, Marx, Engels, Proudhon, Kropotkin, Emma Goldman and Simone de Beauvoir.
Lectures: Three hours a week

384 ON LIBERTY AND LIBERALISM

This course explores classics of liberal thought and focuses primarily on John Stuart Mill's *On Liberty*. It discusses the history of ideas about free speech, individuality, Enlightenment, justice and obligations to others in an open society. Contemporary liberal philosophers, such as John Rawls, Ronald Dworkin, Iris Young, or Richard Rorty, will be studied.
Lectures: Three hours a week

403 20TH CENTURY ETHICAL THEORY

This course extends the history and discussion of ethics begun in Philosophy 303 with writings from the early 1900's to the present. Modern advancements on utilitarianism, virtue ethics, contractarian ethics, and Kantianism are discussed; and new theories such as intuitionism, emotivism, feminist ethics, evolutionary ethics, and relativism, are introduced.
PREREQUISITE(s): Philosophy 303, or Philosophy 221, or fourth year standing in Philosophy, or permission of the instructor.
Lectures: Three hours a week

422 20TH CENTURY BRITISH AND AMERICAN PHILOSOPHY

This course is a critical examination of the development of analytical philosophy in Britain and America in the 20th Century with a focus on the relations between logic, science, language, and conceptualization. Logical Positivism, the linguistic turn, and pragmatism are examined through readings from such authors as G.E. Moore, B. Russell, Wittgenstein, A.J. Ayer, W. James, Quine, and Rorty.

PREREQUISITE(s): Philosophy 373, and one other Philosophy course, or permission of the instructor.

Lectures: Three hours a week

427 THEORIES OF JUSTICE

This course explores the basic ethical concepts of the right and the good by focussing on two recent classics in political philosophy: Robert Nozick's *Anarchy, State, and Utopia* and Michael Walzer's *Spheres of Justice*. The contrasts between libertarian and socialist ideas of society, individual rights and communitarian thinking, the nature of the state, equality, cultural relativism, and liberal pluralism are considered. Contemporary secondary literature about Nozick and Walzer may also be studied.

PREREQUISITE(s): Philosophy 221, and two courses in the history of philosophy.

Lectures and seminars: Three hours a week

428 CRITICAL THEORY

This course introduces the philosophy developed by the Frankfurt School in the early 20th century. The works of Max Horkheimer, Theodor Adorno, and Herbert Marcuse are discussed, and special emphasis is placed on Jürgen Habermas and his book, *Structural Transformation of the Public Sphere*. Students consider issues such as the idea of a critical theory, enlightenment and rationality, ideology and culture, the development of the media, as well as contemporary criticisms of the Frankfurt School.

PREREQUISITE(s): Philosophy 303, and two courses in the history of philosophy.

Lectures and seminars: Three hours a week

431-432 DIRECTED STUDIES

Student and teacher will jointly investigate problems or authors chosen by the student in consultation with the chair and approved by the Dean. Without prejudice to other choices, the Department is prepared to offer Directed Studies in the following areas beyond the regular course offerings:

- Chomsky
- Classical Anarchism
- Communitarianism versus Liberalism
- Environmental Philosophy
- Epistemology
- Ethical Issues in Agriculture and Globalization
- Feminist Epistemologies
- Foundations of Cognitive Science
- Game Theory
- Habermas
- History of Contractarianism
- Metaphysics
- Michel Foucault
- Morality and Self-Interest
- Philosophy of Logic
- Philosophy of Science Fiction

(See Academic Regulation 9 for Regulations Governing Directed Studies)

Physics

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Physics Faculty

Derek W. Lawther, Assistant Professor, Chair
Douglas C. Dahn, Associate Professor
Sheldon Opps, Assistant Professor
James Polson, Assistant Professor

Gordon Bird, Sessional Lecturer

Michelle Cottreau, Sessional Lecturer

Heather Hughes, Sessional Lecturer

William Whelan, Visiting Researcher

REQUIREMENTS FOR A MAJOR IN PHYSICS

Candidates for the BSc with a major in physics must fulfill the general requirements set by the University Senate and the Departmental requirements listed below. It is suggested that students progress through these requirements in the order given below. However, the courses may be taken in a different sequence provided that the pertinent prerequisites are fulfilled.

Semester hours of credit

First Year

Physics 111-112.....	6
Mathematics 151-152.....	6
Chemistry 111-112.....	6
Computer Science (or Engineering 231) 151.....	3
Electives (Biology 111-112 are highly recommended)	9

Second Year

Physics 202.....	3
Physics 211.....	3
Physics 221.....	3
Physics 272	3
Mathematics 251-252.....	6
Mathematics 261.....	3
Electives.....	9

Third and Fourth Years

Physics 372	3
Physics 381.....	3
Physics - At least six courses taken from among Physics 311, 322, 382, 391, 402, 411, 421, 422, 431, 441, 451, 481.	18
Electives (Mathematics 301 is highly recommended).....	36
Total.....	120

NOTE: Students who intend to major in Physics are advised to consult the Department before registration. The Departmental requirements and the prerequisites indicated in the Physics courses should normally be followed. In exceptional cases these may be discussed with the Department.

REQUIREMENTS FOR HONOURS IN PHYSICS

The Honours program in Physics is intended to provide research experience at the undergraduate level. It is designed for students who are interested in continuing their studies at the graduate level in Physics or related fields, or who are planning careers where research experience would be an asset.

The Honours program comprises a total of 126 semester hours of course credit, including a research project worth 12 semester hours. A total of at least 60 semester hours of Physics is required (16 courses plus project).

COURSE REQUIREMENTS

The normal University requirements must be met in addition to the Departmental requirements listed below. Biology 111-112 are highly recommended electives.

Semester hours of credit

First Year

As for Major 30

Second Year

As for Major 30

Third and Fourth Years

Physics 311	3
Physics 322	3
Physics 372	3
Physics 381	3
Physics 402	3
Physics 411	3
Physics 421	3
Physics 441	3
Physics 490	12
Mathematics 301	3
Electives, at least two of which must be Physics electives chosen from the following: Physics 382, 391, 422, 431, 451, 461, 462, 472, 481	27
Total	126

ENTRANCE REQUIREMENTS

For admission to the program, students must normally have a minimum average of 70% in all previous courses. First-class or high second-class standing in all previous Physics courses is expected. Permission of the Department is required.

Acceptance will be contingent upon the student's finding a project advisor, approval of the research project topic, and the Department's assessment of the student's suitability for the program. Students interested in doing Honours should consult the Department Chair as early as possible, normally before the beginning of the student's third year, and no later than January 31 of the third year. Before registering for Physics 490, the student must have been accepted into the Honours program, and the project topic must be approved by the Department. To graduate with Honours in Physics, the student must maintain a minimum average of 75% in all Physics courses combined. Students must also maintain a minimum overall average of 70% in each of the four years of study.

PROJECT PHYSICS 490—ADVANCED RESEARCH AND THESIS

This is a 12 semester hour course required of all Honours Physics students. An independent research project or study is done under the supervision of a faculty advisor. Some or all of this work may be done in the summer months. Before registering for Physics 490, the student must have been accepted into the Honours program, and the project topic must be approved by the Department. The objective of this course is to provide research experience for the student who intends to pursue further studies at the graduate level, or who is planning a career where research experience in Physics or related areas would be an asset.

REQUIREMENTS FOR A BSC WITH A MAJOR IN PHYSICS FOR ENGINEERING DIPLOMA STUDENTS

Students enrolled in the Engineering Diploma program may wish to take additional Physics courses and work towards a Bachelor of Science degree.

Students intending to enter this program should consult the

Physics Department for detailed advice on course selection.

Semester hours of credit

First Year

Physics 111-112 6

Second Year

Physics 202 (for students enrolled in the Engineering Diploma Program, this may be replaced by Engineering 321)	3
Physics 211	3
Physics 221	3

Third and Fourth Years

Physics 381	3
Physics—At least eight additional courses taken from the following: Physics 272, 311, 322, 372, 382, 391, 402, 411, 421, 422, 431, 441, 451, 481, and Engineering 332, 341, 342	24
The student must also complete all the requirements for the Engineering Diploma, and take sufficient courses (including Engineering courses) to satisfy the general requirements for a University degree. A total of 120 semester hours of credit is required.	

PHYSICS CO-OPERATIVE EDUCATION PROGRAM

The Physics Co-op program is an integrated approach to university education which enables students to alternate academic terms on campus with work terms in suitable employment. The success of such programs is founded on the principle that students are able to apply theoretical knowledge from course studies in the workplace and return to the classroom with practical workplace experience.

The Physics Co-op program is a five-year program, consisting of eight academic and a minimum of four work terms, which is available for students in both the Major and Honours Physics Programs. Students who successfully complete all the requirements of the program will have the notation entered on their transcripts and on the graduation parchment.

ACADEMIC COURSE REQUIREMENTS

Academic course requirements for the Physics Co-op Major and Physics Co-op Honours are identical to those for the conventional degrees. The first two years (academic terms 1 to 4) are the same as the conventional degree. In the final four academic terms (spread over three years), students must complete the 300 and 400-level courses required for their degrees. Some of these courses are offered in alternate years; however, over the three years all these alternating courses will be available for students to choose from.

Students admitted to the co-op program should consult with the department concerning their course selection.

ADMISSION REQUIREMENTS

Students interested in entering the Physics Co-op Program must submit an official transcript and a curriculum vitae to the Physics Co-op Program Director. Applications are made during the second year of study, but special application cases will be considered. The applicant must be a full-time student in either a major or honours physics program at the time of application and must normally have a cumulative average of at least 70% in the required physics courses. Students will be admitted to the program based on their interest, aptitude and assessed ability, to combine successfully the academic require-

ments with the special work term requirements of the Physics Co-op Program. Students not admitted may reapply at the next opportunity.

CONTINUANCE REQUIREMENTS

Once admitted to the program, students must continue in full-time enrollment between work terms. An academic review of students' performance will take place at the end of each semester. Students in the Honours program are required to maintain an average grade of 75% in all Physics courses combined and must also maintain a minimum overall average of 70% in each of the four years of study. Students in the Physics Co-op Major program are normally required to maintain an average grade of 70% in all Physics courses combined. It is also required that students achieve satisfactory performance on previous work terms, as outlined below in Program Requirements. Students who fail to meet these standards or who fail a course(s) will be placed "on notice" for the next academic semester. Students who do not meet these standards for two consecutive academic semesters may be dismissed from the program.

WORK TERM REQUIREMENTS

The University will make every effort to locate work term positions for Physics Co-op students in suitable areas of employment, but cannot guarantee work terms. In the event that a placement outside the university is unsuccessful, the option to complete the work term within the Physics Department will be considered.

Satisfactory fulfilment of Physics Co-op work terms requires:

1. The completion of a minimum of four work terms in approved, academically-related, paid employment situations of 12 to 16 weeks duration;
2. Completion of one spring work term in year three and one fall work term in year five, and two out of three possible summer work terms;
3. A satisfactory employer evaluation for each co-op work term;
4. The satisfactory completion of a written report at the end of the work term;
5. Fulfilment of other requirements specified by the Department of Physics, such as the participation in seminars and workshops.

Students are required to apply by early December for a first work term starting in May of the following year, or in early April for a first work term starting the following January. A notation will be placed on students' academic transcripts following completion of each work term.

WITHDRAWAL CONDITIONS

Students may be required to withdraw from the Physics Co-op Program if:

1. They are dismissed from, discontinue, or fail an approved co-op work term position due to a fault on their part;
2. They fail to submit or successfully complete a work term report;
3. They do not satisfy the continuance requirements including the required course grade average necessary for continuance in the Physics Co-op Program;

REGISTRATION

Students are required to register for all work terms at the Registrar's Office. Work terms will officially be designated on students' transcripts as pass or fail.

MINOR IN PHYSICS

Students in the Minor Program in Physics must complete a total of 21 semester hours of Physics including:

Physics 111	3 hours
Physics 112	3 hours
Physics 221	3 hours

Four additional Physics courses (12 hours) at the 200 level or above, at least one of which must be chosen from among the core courses Physics 202, 211, or 272. Students intending to do a Minor in Physics are advised to take Mathematics 151-152 instead of 112.

PHYSICS COURSES

111 GENERAL PHYSICS I

This course emphasizes the fundamentals of mechanics and is intended as a first course in physics for all students requiring at least one semester of physics to complete their degree programs. Topics include vectors, kinematics, Newton's laws of motion, gravitation, rotational motion, torque, static equilibrium, conservation of energy and momentum, and mechanics of fluids.

PREREQUISITE: Proficiency in High School algebra, trigonometry and graphing is expected. High School Physics is recommended. It is required that Mathematics 112 or Mathematics 151 be taken at least concurrently.

Three hours lecture, three hours laboratory or tutorial per week

112 GENERAL PHYSICS II

This course is a continuation of Physics 111 and is intended for, but not restricted to, those students who wish to pursue further studies in the physical sciences or engineering. Topics include heat and thermodynamics, wave motion, sound and light, electricity and magnetism.

PREREQUISITE: Physics 111, and Mathematics 151 or permission of the instructor. Three hours lecture, three hours laboratory or tutorial per week

NOTE: Students may obtain credit for Physics 122 or 112 but not both.

122 PHYSICS FOR LIFE SCIENCES

This course is a continuation of Physics 111 intended for students in the life sciences, introducing additional physics concepts with emphasis on their application to biology. Topics include viscosity, diffusion, heat, properties of waves, acoustics and hearing, optics and vision, and basic electricity and magnetism.

PREREQUISITE: Physics 111 and either Mathematics 112 or Mathematics 151, or permission of the instructor.

Three hours lecture, three hours laboratory or tutorial per week **NOTE:** Students may obtain credit for Physics 122 or 112 but not both.

202 MECHANICS

Using a more advanced treatment than in the 100-level physics courses, this course gives the student a deeper understanding of the principles of mechanics. Topics include: vector kinematics, Newton's laws, momentum, work and energy, rotational

motion, central force motion, and the harmonic oscillator.
PREREQUISITE: Physics 112 and Mathematics 251, or permission of the instructor. It is recommended that Mathematics 252 be taken at least concurrently.
 Three hours lecture per week

211 ELECTRICITY AND MAGNETISM

This course develops basic concepts in electricity and magnetism. Topics include electric fields and potentials, capacitance, DC circuits, magnetic fields, electromagnetic induction, inductance, and an introduction to Maxwell's equations and electromagnetic waves.
PREREQUISITE: Physics 112 or permission of the instructor. Mathematics 251 must be taken at least concurrently.
 Three hours lecture, three hours laboratory per week

221 MODERN PHYSICS

This course is a survey of the fundamental concepts of modern physics intended for both physics majors and other science majors. Topics include: relativity, photons and matter waves, the photoelectric effect, Compton scattering, the uncertainty principle, quantum tunnelling, the hydrogen atom, line spectra, orbital and spin angular momentum, magnetic dipole moments, x-rays, the laser, electron energy bands in solids, nuclear properties, radioactive decay, fission, fusion, quarks, leptons, and the Big Bang.
PREREQUISITE: Physics 112 and Mathematics 152, or permission of the instructor.
 Three hours lecture per week

251 INTRODUCTORY ASTRONOMY I

This course introduces students to basic astronomical concepts. Specific topics include the history of astronomy; celestial mechanics; charting the sky; time and the calendar; the Earth, Moon, and the dynamics of the Earth-Moon system; and the formation and structure of the solar system.
PREREQUISITE: Grade XII Academic Mathematics or permission of the instructor
 Three hours lecture, field observations to be arranged

252 INTRODUCTORY ASTRONOMY II

This course builds on Physics 251 to explore further the universe as a whole. Topics of study include astronomical instruments; properties and energy production of our Sun; methods of measuring stellar distances; the structure, energy, and evolution of stars; interstellar matter and the structure of the Milky Way galaxy; other galaxies; cosmology; and some other related topics of interest.
PREREQUISITE: Physics 251 or permission of the instructor
 Three hours lecture, field observations to be arranged.

261 ENERGY, ENVIRONMENT AND THE ECONOMY

This course is directed to both science and non-science students who wish to improve their understanding of this major technological issue. Topics include: the basic concepts necessary to understand photosynthesis, nuclear power, acid deposition, the greenhouse effect, ozone depletion and pollution. Particular emphasis is placed on Canadian and PEI examples, and on the implications for Third World development.
PREREQUISITE: Permission of the department
 Three hours lecture (seminars and/or field visits to be arranged)

272 ELECTRONICS AND INSTRUMENTATION

This course is a practical introduction to analog electronics, and to electronic techniques useful in the sciences. Topics

include alternating current circuits, transistors, operational amplifier circuits, feedback, noise, and an introduction to computer data acquisition.
PREREQUISITE: Physics 112 and Mathematics 152, or permission of the instructor.
 Two hours lecture, three hours laboratory, one hour tutorial per week

311 WAVE MOTION AND OPTICS

This course begins with the mathematical description of wave motion, and proceeds to a survey of physical optics. Topics include: interference, diffraction, the Fourier Transform and its application to optical problems, and diffraction theory of image formation.
PREREQUISITE: Physics 202 or 211, Mathematics 252
 Three hours lecture, three hours laboratory a week

322 QUANTUM PHYSICS I

This course introduces some of the fundamental methods of quantum mechanics. Topics include the postulates and mathematical formalism of quantum mechanics, the Dirac description of quantum mechanics, applications to a variety of onedimensional problems such as quantum tunnelling, and the harmonic oscillator.
PREREQUISITE: Physics 211, Physics 221 and Mathematics 252
 Three hours lecture per week

332 BIOPHYSICS

This course provides students with an understanding of the current applications of physics in the fields of biology and medicine. Topics include: animal mechanics; blood flow, volume and pressure; hearing; vision; membrane transport; physics of nerves and muscles; bioelectric and biomagnetic fields; effects and applications of electromagnetic radiation; imaging; and radiation therapy.
 Cross-listed with Biology (cf. Biology 352)
PREREQUISITE: Third-year standing in the Faculty of Science, including Biology 112, and Physics 122 or Physics 112. Otherwise, permission of the instructor is required.
 Three hours lecture per week

372 STATISTICAL PHYSICS I

This course provides students with an introduction to the statistical description of macroscopic systems and focuses on both statistical and classical thermodynamics. Topics include the microcanonical and canonical ensembles, the perfect quantum and classical gas, black body radiation, the Einstein and Debye description of solids, and the laws of thermodynamics and some of their consequences and applications.
PREREQUISITE: Physics 112 and Mathematics 252, or permission of the instructor
 Three hours lecture per week

381 METHODS OF APPLIED MATHEMATICS

See Mathematics 381
PREREQUISITE: Math 252

382 COMPUTATIONAL PHYSICS

This course is designed to provide students with direct experience in the use of advanced computer-based techniques for modelling physical systems. A variety of computational techniques is applied to problems in classical, quantum, and statistical physics. Emphasis is placed on simulation methods such as Monte Carlo methods, molecular dynamics techniques, and numerical integration of stochastic differential equations.

PREREQUISITE: Physics 202 or Physics 22I, Mathematics 252, and Computer Science 151 or Engineering 23I
Three hours lecture, one hour laboratory per week

391 RADIATION DETECTION AND MEASUREMENT

This course provides students with an understanding of the theory and operation of radiation detectors. Topics include: radiation sources; the interaction of ionizing radiation with matter; the principles of operation and use of gas-filled, scintillation and semiconductor diode detectors; spectroscopy techniques and the use of related electronics; and shielding.
PREREQUISITE: Physics 22I or permission of the instructor
Three hours lecture per week

402 STATISTICAL PHYSICS II

This course builds upon the material presented in Statistical Physics I and covers the basic elements of equilibrium statistical mechanics. Topics include an introduction to the grand canonical ensemble, thermodynamic equilibrium, stability, fluctuations, phase transitions, quantum statistics, and interacting systems. A variety of applications to systems such as ideal gases, Bose gases, Fermi gases, and paramagnets is included.
PREREQUISITE: Physics 322 and Physics 372
Three hours lecture per week

411 ELECTROMAGNETIC THEORY

This is an advanced course designed to provide a solid grounding in electromagnetic theory. Topics include: electrostatics, solutions to electrostatic problems, dielectric materials, magnetostatics, magnetic properties of materials, Maxwell's equations, electromagnetic wave propagation, and electromagnetic radiation.
PREREQUISITE: Physics 21I and 38I
Three hours lecture per week

421 QUANTUM PHYSICS II

This course further develops the fundamental concepts and methodology of quantum mechanics. Topics include angular momentum, the hydrogen atom, spin, matrix mechanics, and time-independent and time-dependent perturbation theory.
PREREQUISITE: Physics 322 and Physics 38I
Three hours lecture per week

422 ADVANCED TOPICS IN QUANTUM PHYSICS

This is an advanced course in which important physical problems are solved using the basic methods of quantum mechanics. Topics include the quantum mechanics of atoms and molecules, scattering theory, and an introduction to relativistic quantum mechanics.
PREREQUISITE: Physics 42I
Three hours lecture per week

431 SOLID STATE PHYSICS

This is an introductory course in Solid State Physics, which covers the basic physics of crystalline solids. Topics include: crystal structures; structure determination by x-ray diffraction; crystal bonding; lattice vibrations and phonons; the free and nearly-free electron models; and the energy band structures of metals, insulators and semiconductors.
PREREQUISITE: Physics 322
Three hours lecture per week

441 EXPERIMENTAL PHYSICS

This advanced laboratory course introduces students to all phases of an experimental project, from design, planning, and setup of the apparatus, to detailed analysis and formal

presentation of the results. Students choose a small number of in-depth experiments to perform.

PREREQUISITE: Physics 21I or Physics 272, and at least Third Year standing in a Science program
One hour lecture, six hours laboratory per week

451 ADVANCED MECHANICS

The Lagrangian and Hamiltonian formulations are presented as alternatives to the conventional treatment of Newton's laws and are applied to classical problems such as harmonic and anharmonic oscillators, the two-body central force problem, and rigid body motion.
PREREQUISITE: Physics 202 and Physics 38I or Mathematics 30I
Three hours lecture per week

461-462 DIRECTED STUDIES

These courses are either reading courses, or research projects, which require the students to investigate a specific topic to a much greater depth than is possible in the department's usual course offerings.
PREREQUISITE: Physics Majors with at least third-year standing, or permission of the department.
Three semester hours of credit (See Academic Regulation 9 for Regulations Governing Directed Studies.)

463-464 SPECIAL TOPICS

These courses take advantage of unusual opportunities such as the availability of a visiting researcher to teach a course related to his/her field of expertise, or a course offer on an experimental basis, etc.
PREREQUISITE: Physics Majors with at least third-year standing, or permission of the department.
Three semester hours of credit

472 DYNAMICAL SYSTEMS

See Mathematics 472
PREREQUISITE: Math 26I, Math 30I

481 SELECTED PROBLEMS

This course gives students a broader perspective of concepts in physics and their applications. The students formulate in-depth solutions to several problems chosen from a list prepared by various faculty members within the department. Many of the problems are open-ended and the students are expected to develop their solutions as far as they can within the allotted time.
PREREQUISITE: This course is open to students in their final year of a Physics degree program. Otherwise, permission of the instructor is required.
Three seminar hours per week (unscheduled)

490 ADVANCED RESEARCH AND THESIS

The objective of this course is to provide research experience for the student who intends to pursue further studies at the graduate level, or who is planning a career where research experience in Physics or related areas would be an asset. An independent research project is done under the supervision of a faculty advisor. The research results are reported in thesis format and are presented orally at a department seminar.
PREREQUISITE: Acceptance into the Honours Physics program.
Twelve semester hours of credit.

Political Studies

www.upei.ca/politicalstudies/

Political Studies Faculty

David Milne, Professor Emeritus
 Gil Germain, Associate Professor, Chair
 Barry Bartmann, Professor
 Henry Srebrnik, Professor
 Peter McKenna, Assistant Professor
 Wayne MacKinnon, Sessional Lecturer
 David L. Cook, Adjunct Professor
 David Bulger, Adjunct Professor

POLITICAL STUDIES PROGRAM

The Department offers courses covering four fields in Political Studies: Canadian Politics, Political Theory, Comparative Politics, and International Politics. Courses in these fields are indicated in the listing below.

INTRODUCTORY COURSES

The Department offers two introductory courses as normal entries to the discipline. While not required, either of these courses will be counted toward a major in Political Studies.

Introductory Politics

- 101 Introductory Politics I Government and Politics in Liberal Democracies
- 102 Introductory Politics II Political Ideologies in Liberal Democracies

Canadian Politics

- 201 Canadian Politics I: Government
- 202 Politics and Government of Prince Edward Island
- 211 Law, Politics and the Judicial Process I
- 212 Law, Politics and the Judicial Process II
- 262 Canadian Politics II: Environment and Processes
- 301 Federalism and Federation
- 302 Canadian Federalism
- 311 Canadian Public Administration
- 314 Canadian Public Policy
- 315 Canadian Foreign Policy
- 321 Quebec Society and Politics
- 322 Canadian Provincial Politics: A Comparative Perspective
- 353 The Politics of Canadian-American Relations
- 401 Law, the Courts and the Constitution I
- 402 Law, the Courts and the Constitution II
- 411 Political Parties and Elections in Canada
- 421 Aboriginal Peoples and the Canadian State

Political Theory

- 253 Introduction to Political Theory
- 331 Twentieth-Century Political Thought I
- 332 Twentieth-Century Political Thought II
- 333 Canadian Political Thought
- 335 Utopia
- 431 Political Thinkers
- 432 Politics and the Mass Media
- 433 Politics and the Environment

Comparative Politics

- 221 Political Economy and Social Change in the Developing World
- 343 Comparative Politics of South Asia
- 351 The Political Culture of the United States

- 352 The Political System of the United States
- 354 Contemporary British Politics
- 362 Comparative Politics of Latin America and the Caribbean
- 363 The Comparative Politics of the Middle East
- 371 Political Development in Central and Eastern Europe
- 372 The Politics of Russia and Its Borderlands
- 414 Public Policy in Small Island Jurisdictions
- 422 Ethnic Nationalism in Comparative Perspective
- 441 Comparative European Politics I
- 442 Comparative European Politics II
- 445 The Political Economy of East and Southeast Asia
- 451 Contending Approaches in Comparative Politics

International Politics

- 231 War and Peace
- 282 Introduction to International Politics
- 391 Comparative Foreign Policy
- 392 International Political Economy
- 393 International Theory
- 461 Seminar in the History of Canadian External Relations
- 471 International Organizations
- 472 International Law
- 481 Small States and Micro-states in the International System
- 482 The Politics of European Integration

REQUIREMENTS FOR A MAJOR IN POLITICAL STUDIES

To obtain a major in Political Studies, students must complete the following requirements: each of the core courses; one further course from each of the following fields: Canadian Politics, Comparative Politics, and International Politics; and an additional nine electives in the discipline. Majors will normally complete Political Studies 253 (Introduction to Political Theory) by the end of their second year of study; they must do so no later than the end of their third year of studies. A major program must contain a minimum of eight courses at the 300 or 400 level.

The four required core courses cover four areas in the discipline: Introduction to Political Theory (253), Canadian Politics (262), International Politics (282), and Comparative Politics (451).

The purpose of the core-course requirement is to ensure that every graduate of the Department has a solid grounding in fields integral to the discipline. In addition, the core courses promote the development of analytical skills and lay the foundations for more effective work in advanced-level courses. All majors and prospective majors are advised to consult with the Department's student advisor, Professor Barry Bartmann, at the beginning of each term. This consultation is intended to ensure that each student's program satisfies the Department's requirements and satisfies the student's needs.

REQUIREMENTS FOR A MINOR IN POLITICAL STUDIES

To obtain a minor in Political Studies, students must complete the following requirements: 21 semester hours in the discipline at the 200 level and above, distributed over at least three of the four fields (Canadian Politics, Political Theory, Comparative Politics, and International Politics). At least three courses

(nine semester hours) must be from the 300 level or above. Those taking a minors program in Political Studies should also meet with the Department's student advisor, Professor Barry Bartmann to review their program.

RECOMMENDED ELECTIVES FOR MAJORS

Beyond the core courses, majors are encouraged to consult their faculty advisor in order to build a well-balanced program of study. Furthermore, majors are reminded that Political Studies is but one of several social sciences and is closely related in its concerns to many other academic disciplines. Individual programs should emphasize appropriate electives in Anthropology, Economics, History, Philosophy, Psychology, Sociology, Religious Studies, Business Administration or other related disciplines.

DIRECTED STUDIES

Courses offered under Directed Studies 491-492 permit intensive study and specialized research under the supervision of faculty. Areas of special interest of the regular faculty are listed at the end of the course descriptions.

SUMMER SESSIONS

The Department has a tradition of inviting distinguished visiting Professors to teach courses in the summer session not offered in the regular program. These courses broaden coverage in each area of the discipline. Majors are advised to take advantage of these offerings. Titles for these courses are available at registration.

NOTE: Most courses in the program are offered in alternate years. Please consult the timetable for availability of these courses or check with the Department. All courses are three hours a week unless otherwise indicated.

POLITICAL STUDIES COURSES

INTRODUCTORY COURSES

101 INTRODUCTORY POLITICS I: THE FOUNDATION OF POLITICS

This course is a comprehensive introduction to politics. Initially students explore the nature of political activity and basic concepts such as political culture, the nation-state, the various roles of government, and the international system. The course examines differences among democratic, authoritarian and totalitarian political systems just as it introduces students to such contemporary ideologies as liberalism, conservatism, socialism and nationalism.

Lecture/Seminar: Three hours a week

102 INTRODUCTORY POLITICS II: COMPARATIVE GOVERNMENT AND POLITICS

This course introduces students to a comparative analysis of the political systems of major nations, among them Canada, the United States, the United Kingdom, France, Germany, Russia, China, Brazil, India, Japan, and South Africa. Among the topics covered are political parties and electoral systems; interest groups and public opinion; and decision-making and public policy formulation in the areas of commerce, education, health and welfare.

Lecture/Seminar: Three hours a week

CORE COURSES

These courses provide Political Studies majors with grounding in all areas integral to the discipline. Non-majors may register in these courses only with permission of the Department.

Majors in Political Studies must complete all core courses (253, 262, 282 and 451). Note that majors will normally complete 253 (Political Theory) by the end of their second year of studies.

Students not concentrating in the discipline will be admitted to Political Studies 253 only with the permission of the instructor.

253 INTRODUCTION TO POLITICAL THEORY

This course offers students a thematic overview of the history of Western political thought. The meaning and relevance for politics of issues such as justice, leadership, law, democracy, freedom, and the common good are reviewed through a careful reading of major ancient and modern thinkers, including Plato, Machiavelli, Hobbes, Locke, and Nietzsche.

PREREQUISITE: None

Seminar: Three hours a week

262 CANADIAN POLITICS II: ENVIRONMENT AND PROCESSES

This course introduces non-constitutional aspects of Canadian politics: political culture, nationalism, regionalism, and bi-culturalism. It also treats electoral politics, interest group activities and the role of the mass media.

PREREQUISITE: Political Studies 201 or permission of the instructor

Lecture: Three hours a week

282 INTRODUCTION TO INTERNATIONAL POLITICS

This course examines the evolution and structure of the contemporary global system and considers the perennial questions of peace and stability in a world of independent polities. It treats the diverse capabilities, roles and relationships of state and non-state actors, and considers major patterns of change in the post-war world. Principal attention is directed to recurring theoretical concerns in the study of international politics. Both lectures and readings make generous use of case studies and contemporary issues.

PREREQUISITE: Political Studies 231 or permission of the instructor

Lecture: Three hours a week

CANADIAN POLITICS

201 CANADIAN POLITICS I: GOVERNMENT

This course introduces and surveys the basic constitutional components of Canadian politics: Parliament (including the Crown, the House of Commons, the Senate, Cabinet, courts, and the bureaucracy), federalism (including the distribution of legislative authority, inter-governmental decision making, and fiscal federalism), and the Charter of Rights and Freedoms.

Constitutional principles and actual practices of government are discussed.

Lecture: Three hours a week

202 POLITICS AND GOVERNMENT OF PRINCE EDWARD ISLAND

This course examines the evolution of Prince Edward Island's political parties, electoral system, pressure groups, and political culture. The politics of Prince Edward Island are compared to those of other Canadian provinces. The provincial government's development programs are examined in the broader framework of federal-provincial relations.

Lecture/Seminar: Three hours a week

211 LAW, POLITICS AND THE JUDICIAL PROCESS I

This course is designed to acquaint interested students with the nature of law. It has a Canadian focus with special reference to Prince Edward Island. The areas covered in this semester include sources of law, interests protected by the law, and fundamental legal and political concepts. Major areas of concentration are constitutional and civil law.

Lecture: Three hours a week

212 LAW, POLITICS AND THE JUDICIAL PROCESS II

In this course, students examine various areas of civil law. The politics of Prince Edward Island are used to illustrate the relationships between legal and political systems.

Lecture: Three hours a week

302 CANADIAN FEDERALISM

This is a seminar course on the theory and practice of divided political authority. The aim is to understand the logic and attraction of federalism as a political theory and the problems of working out that idea in Canadian government, politics, and society. This course examines the constitution as a fundamental contract for shared rule between Ottawa and the provinces and traces federalism in intergovernmental relations and public policy. The course concludes with an overview of the important approaches and schools of thought in this field.

PREREQUISITE: One of Political Studies 201, 262, 301 or permission of the instructor

Seminar: Three hours a week

311 CANADIAN PUBLIC ADMINISTRATION

This course introduces the study of public administration. It examines the theories, practices, and politics that shape decision-making and management in the Canadian public sector. Among the topics explored are theories of decision-making, organization, motivation, and democracy influencing public administration; the policy-making and political role of public servants; the growth and expansion of the Canadian state; and the evolution of financial and personnel management systems.

PREREQUISITE: One of Political Studies 201, 202, 262 or permission of the instructor

Lecture: Three hours a week

314 CANADIAN PUBLIC POLICY

This course examines the evolution, nature, instruments, and consequences of Canadian public policy, particularly that of the Federal Government. In the first half of the course, students discuss the tools and frameworks used in public policy research and analysis and review the broad structure of Canadian public policy. In the second half of the course, students research areas or issues in Canadian public policy and present their findings in seminars and essays.

PREREQUISITE: None

Seminar: Three hours a week

315 CANADIAN FOREIGN POLICY

This course examines Canada's growing involvement in the post-1945 international environment. It focuses on the determinants of Canadian foreign policy, the major actors involved, and the various constraints on decision-makers. Particular attention is paid to key issues, themes, and foreign policy initiatives over the last forty years.

PREREQUISITE: Political Studies 201 or 262

Three hours a week

321 QUEBEC SOCIETY AND POLITICS

This course introduces students to the complexities of nationalism and ethnicity in modern Quebec politics. Making use of the political science literature on ethnicity, nationalism and the concept of the plural society, the course analyzes the politics of language and language policy within the context of the overall relationship between the majority francophone and minority anglophone/allophone communities. Students also consider the relations between francophones and aboriginal nations within Quebec and their consequences for Quebec independence and territorial integrity. The course concludes with an assessment of the future status of Quebec within or outside the Canadian federation.

PREREQUISITE: Political Studies 201, 262, 302 or permission of the instructor

Seminar: Three hours a week

322 CANADIAN PROVINCIAL POLITICS: A COMPARATIVE PERSPECTIVE

This seminar examines similarities and differences in politics and government among Canada's provinces and territories. Areas of comparison include political culture, governmental institutions, parties, and public policy.

PREREQUISITE: Political Studies 201, 202, 262 or permission of the instructor

Seminar: Three hours a week

353 THE POLITICS OF CANADIAN-AMERICAN RELATIONS

This course examines the important areas of cooperation and contention between Canada and the United States. Discussions focus on such issues as attempts to protect Canadian culture from American influences, the politics surrounding trade between the two countries, and the creation and operation of joint agencies.

PREREQUISITE: One of Political Studies 201, 262, 351, 352 or permission of the instructor

Seminar: Three hours a week

401 LAW, THE COURTS AND THE CONSTITUTION I

In this course, students read and analyze some important constitutional decisions in Canada. This intensive examination of legal cases shows the complexities of federal-provincial jurisdiction in Canada and the ways in which courts have tried to deal with them. Students become familiar with the necessary "policy-making" role of the courts and see the practical effects that constitutional judgments have had on the powers of provincial and federal governments in this country. Enrolment is limited to a maximum of twenty-one qualified students. Although background in Canadian government and politics is desirable, students with preparation in cognate disciplines and with a strong interest in law are encouraged to enrol.

Seminar: Three hours a week

402 LAW, THE COURTS AND THE CONSTITUTION II

In this course, students apply the knowledge acquired in Political Studies 401 to a series of constitutional conflicts. In courtroom simulations students gain insight into the methods, rationality and conflicts of constitutional review. Particular attention is paid to human rights issues, especially those raised by the Canadian Charter of Rights and Freedoms. The course concludes with critical analyses of the role of the courts in distributing power in our federal system, the kind of knowledge required for such adjudication and the strengths

and weaknesses of existing practice.

PREREQUISITE: Political Studies 401 or permission of the instructor

Seminar: Three hours a week

411 POLITICAL PARTIES AND ELECTIONS IN CANADA

This course analyzes the development of political parties, party systems, elections, and voting behaviour in Canada. It examines both national and provincial parties and elections. It studies and evaluates Canadian practices in the context of democratic theories of representation and participation.

PREREQUISITE: Political Studies 262 or permission of the instructor

Seminar: Three hours a week

COMPARATIVE POLITICS

221 POLITICAL ECONOMY AND SOCIAL CHANGE IN THE DEVELOPING WORLD

This course provides an overview of the legacy of colonization and the consequences of imperial domination in the developing world. It examines crises of state legitimacy resulting from cultural and ethnic tensions within fragmented political systems. The course analyzes authoritarianism, militarism, clientism, and patrimonialism as recurrent problems blocking transitions to democracy.

Lecture/Seminar: Three hours a week

343 COMPARATIVE POLITICS OF SOUTH ASIA

This describes political developments since independence in the arc of South Asian countries from Afghanistan to Myanmar. It focuses on state-building in post-colonial societies, regional alliances and rivalries, and the salience of culture, ethnicity, and religion. The course concentrates on the politics of Afghanistan, Pakistan, India, Sri Lanka, Bangladesh, Myanmar, the Maldives, and the Himalayan States.

PREREQUISITE: Political Studies 221 or permission of the instructor.

Seminar: Three hours a week

351 THE POLITICAL CULTURE OF THE UNITED STATES

This course examines the evolution of the American Republic. Topics include the nature of American pluralism and civil society; the allocation of power and resources among a diversity of ethnic, religious and gender groups; civil liberties and civil rights; the changing demography and political economy of the urban landscape; the political cultures of different regions and states; and environmental issues affecting Americans.

PREREQUISITE: Political Studies 262 or permission of the instructor

Seminar: Three hours a week

352 THE POLITICAL SYSTEM OF THE UNITED STATES

This course focuses on the fundamentals of American government and politics. It examines institutional structures such as Congress, the Presidency and the Supreme Court, and the separation of powers among these branches of government as reflections of liberal democratic theory and constitutional practice. The course studies such topics as American federalism and states' rights; elections and voting behaviour;

and the role of political parties, interest groups, and the media.

PREREQUISITE: Political Studies 262 or permission of the instructor

Seminar: Three hours a week

NOTE: Political Studies 351 and 352 may be taken in any sequence.

354 CONTEMPORARY BRITISH POLITICS

This course introduces students to both the foundations of the British political system and to the issues which have dominated public debate in Britain for the last generation. Early seminars explore the constitutional evolution of the British legal and political cultures and the most critical developments in the evolution of British political parties. Later seminars critically examine such contentious issues as devolution, the Northern Ireland question, the ideological and electoral shifts in the British party system, changing strategies in economic management, Britain's relations with Europe and such constitutional issues as electoral reform, the future of the House of Lords, and the campaign for a Bill of Rights.

PREREQUISITE: None

Seminar: Three hours a week

361 COMPARATIVE POLITICS OF AFRICA

This course offers a comparative view of the political systems of sub-Saharan African states. It examines discontinuities between indigenous and externally-imposed political structures; mass-elite cleavages and ethnic rivalries in deeply divided societies; and the economic peripheralization and debt crisis facing many of these nations today.

PREREQUISITE: Political Studies 221 or permission of the instructor

Seminar: Three hours a week

362 COMPARATIVE POLITICS OF LATIN AMERICA AND THE CARIBBEAN

This course examines the political systems of Caribbean, Central and South American states. It explores the emergence of new social and economic hierarchies and the development of highly complex plural societies. It also analyzes ideological conflicts, civil strife, and non-democratic paradigms of governance, and concludes with case studies of countries such as Jamaica, Mexico and/or other selected states.

PREREQUISITE: Political Studies 221 or permission of the instructor

Seminar: Three hours a week

363 THE COMPARATIVE POLITICS OF THE MIDDLE EAST

This course offers a comparative study of the political cultures, political economy, governments, and political parties in selected Middle Eastern states. Particular attention is given to the historical and political origins of the contemporary state system, patterns of modernization, revolutionary change, the impact of Islamic and nationalist movements and the Palestine question.

PREREQUISITE: Political Studies 221 or permission of the instructor

Seminar: Three hours a week

371 POLITICAL TRANSITION IN CENTRAL AND EASTERN EUROPE

This course deals primarily with political transitions in the former Communist countries of central and eastern Europe. It begins with an historical overview of the region, which has in this century witnessed authoritarian, fascist, Marxist-Leninist and democratic regimes, both indigenous and imposed. The course examines the efforts made since 1989 to transform

these polities from command economies into market societies, and from single-party regimes into liberal-democratic states. It considers impediments to democracy, including the lack of minority rights, secessionist movements, religious traditionalism, and economic fragility.

PREREQUISITE: Political Studies 102 or permission of the instructor

Seminar: Three hours a week

372 THE POLITICS OF RUSSIA AND ITS BORDERLANDS

This course examines regime changes and ideological shifts in Russia and other states that have emerged following the breakup of the Soviet Union. It focuses on theoretical questions regarding the nature of the post-Communist state and its relationship to the economy and civil society. It studies the political cultures and institutions within the multi-ethnic Russian Federation as well as successor states in the Caucasus and central Asia, including Armenia, Azerbaijan, Georgia, and Kazakhstan. It also examines secessionist movements in Chechnya, Dagestan, and elsewhere in the post-Soviet states.

Seminar: Three hours a week

414 PUBLIC POLICY IN SMALL ISLAND JURISDICTIONS

This course examines the determinants or causes of public policy in small island jurisdictions, with particular emphasis on the impact of "islandness" and size on the patterns, goals, instruments, and consequences of public policy. Students familiarize themselves with various models for understanding the causes of public policy and with selected frameworks for comparing policy across jurisdictions. These models and frameworks are applied to selected island jurisdictions in seminar discussions and research papers.

PREREQUISITE: Fourth-year standing or permission of the instructor.

Seminar: Three hours a week

422 ETHNIC NATIONALISM IN COMPARATIVE PERSPECTIVE

This course examines the global dimensions of ethnic nationalism and the "clash of civilizations" both in the developing and advanced industrial states. Following an examination of the theoretical literature on ethnicity and politics, specific case studies focus on multi-ethnic countries such as Bosnia-Herzegovina, Cyprus, Ireland, Fiji, Mauritius and Trinidad/Tobago. Particular attention is paid to historical developments in these countries and to the institutional mechanisms and governmental strategies that have evolved to cope, often unsuccessfully, with ethnic divisions.

PREREQUISITE: Political Studies 221 or permission of the instructor

Seminar: Three hours a week

441 COMPARATIVE EUROPEAN POLITICS I

This course is a comparative study of the political cultures, governmental institutions and electoral politics of European democracies. Although principal attention is given to Britain, France, Germany and Italy, the course also examines such topics as the politics of the welfare state in the Nordic countries, linguistic and confessional cleavages in Belgium and the Netherlands, the restoration of democratic governments in the Mediterranean states and the transition from Communism to liberal democracy in Central and Eastern Europe.

Seminar: Three hours a week

442 COMPARATIVE EUROPEAN POLITICS II

In contrast to the case study approach this advanced course focuses on the thematic comparative analysis of European democracies. Among the themes considered are the role of the state, executive-legislative relations, ideologies, political parties and pressure groups and problems of ethnic minorities.

PREREQUISITE: Political Studies 441 or permission of the instructor

Seminar: Three hours a week

445 POLITICAL ECONOMY OF EAST AND SOUTHEAST ASIA

Students are introduced to selected theoretical perspectives on international political economy and apply them to region building in East and Southeast Asia using relevant case studies. The emergence of the region as a force in international economic and political arenas is examined by focusing on the development of the Association of Southeast Asian Nations, Asian Development Bank, and the Asia Pacific Roundtable. The region's relationship with other groupings such as the Asia-Pacific Economic Cooperation Forum and the European Union also is considered.

PREREQUISITE: None

Seminar: Three hours a week

451 CONTENDING APPROACHES IN COMPARATIVE POLITICS

This course gives students a theoretical overview of the field of comparative politics, the different treatments of recurring questions in the discipline, and the historical and geographic frameworks within which contemporary politics have developed. The course is retrospective in its critical examination of various models and classification schemes.

PREREQUISITE: At least one course from the Comparative stream or permission of the instructor

Cross-listed with Women's Studies (cf. Women Studies 461)

Note: Some background in the empirical literature of comparative politics is essential.

Seminar: Three hours a week

INTERNATIONAL POLITICS

231 WAR AND PEACE

What are the roots of war and what are the prospects for its end? Arms races, the balance of power, liberation wars, and nuclear proliferation are among the topics considered. Case studies include the World Wars, the Arab-Israeli wars, the Falklands war, and the two Persian Gulf wars. Finally, students explore prospects for world peace in the light of the end of the Cold War. In addition to lectures, there will be open class discussions and video presentations.

Lecture: Three hours a week

391 COMPARATIVE FOREIGN POLICY

This course emphasizes comparative analysis of foreign-policy formulation in both developed and developing countries. Seminars focus on major powers, selected middle powers and small states. The use of case studies illuminates major theoretical concerns in foreign-policy analysis.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

392 INTERNATIONAL POLITICAL ECONOMY

The objective of the course is to provide students with an understanding of international political economy as a critical and analytical approach to the problems of world

politics. Seminars focus on the politics of money, the debt crisis, international trade, energy and resource management, technology transfers and international investment. Although many of these issues are particularly significant in the content of North-South relations, the course also examines economic relations among advanced industrialized states including the emerging market economies in the former Communist world. The course explores the evolution of the contemporary international economy, and probes the impact of global economic institutions and regulations on the foreign policies of states.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

393 INTERNATIONAL THEORY

This course examines the principal theoretical debates in the literature of international relations theory in the post-war period. Students first concentrate on the impact of realism in international theory and move on to explore those currents of theory which have challenged realist analysis. Particular attention is given to systems theories, economic explanations of international relations, decision-making theory, game theory, and theories of regional integration.

PREREQUISITE: Political Studies 282

Seminar: Three hours a week

461 SEMINAR IN THE HISTORY OF CANADIAN EXTERNAL RELATIONS

See History 431

PREREQUISITE: Political Studies 282

Majors wishing to credit this course toward the international politics field requirement must secure the permission of the Political Studies department.

471 INTERNATIONAL ORGANIZATIONS

This seminar analyzes the role of both inter-governmental and non-governmental organizations in the international system. Students examine theoretical approaches to international organization as well as the structures and functions of particular global and regional bodies. The focus of the course is the United Nations system and particularly the challenges facing the U.N. in a post-Cold War world.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

472 INTERNATIONAL LAW

This course examines the sources of international law, the changing nature of international legal principles, and the development of the institutional apparatus for the application of international law. Throughout the course, students weigh the effectiveness of international law as a reflection of the values of a developing international community and as a contribution to world order.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

481 SMALL STATES AND MICRO-STATES IN THE INTERNATIONAL SYSTEM

This course examines the ongoing proliferation of small states and micro-states in the international system. It gives particular attention to problems of legitimacy and status, and to the constraints of small size in undertaking effective diplomacy, ensuring security and achieving some measure of economic autonomy.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

482 THE POLITICS OF EUROPEAN INTEGRATION

Seminars focus on the principal theoretical schools of integration literature and their relevance to various strategies for advanced co-operation in Europe. Among the topics considered are problems of policy making and institutional development in the European Community, the terms of the Single Europe Act, and the debate over the scale and depth of integration in a larger continental community.

PREREQUISITE: Political Studies 282 or permission of the instructor

Seminar: Three hours a week

POLITICAL THEORY

331 20th CENTURY POLITICAL THOUGHT

This seminar provides an overview of the major trends in 20th century political thought. Special focus is placed on the political implications of various critiques of modern rationality. The writings of conservatives such as Leo Strauss and Eric Voegelin are contrasted against the more radical critiques of modernity offered by prominent Continental Thinkers such as Theodor Adorno and Max Horkheimer.

PREREQUISITE: Political Studies 253 or permission of the instructor

Seminar: Three hours a week

332 POSTMODERNISM AND CONTEMPORARY POLITICAL THOUGHT

This seminar asks the question: What does it mean to act and think "after modernity?" The question is addressed through readings of those contemporary social and political theorists who were among the first to announce the death of the modern order and to articulate the contours of a new "postmodern" order. Issues to be investigated include the disintegration of the human subject, the retribalizing of the human community, and the impact of the communications revolution on political processes.

PREREQUISITE: Political Studies 253 or permission of the instructor

Seminar: Three hours a week

335 UTOPIA

This course explores utopian thought and its relation to Western society. The history of utopian literature and imagery is examined through a reading of the genre's leading proponents, including Plato, More, Bacon, Swift, Butler, Orwell, and Huxley. Questions pertaining to the political context of utopian literature, evolving historical trends in utopian thought, and the relationship between the utopian impulse and the human condition are entertained as well.

PREREQUISITE: None

Seminar: Three hours a week

431 POLITICAL THINKERS

This seminar explores in depth the work of one or more political thinkers including theorists whose contribution to the discipline requires extensive treatment, as well as those significant thinkers often neglected in standard survey courses in political theory: Plato, Hegel, Rousseau, Kant, Nietzsche, Arendt, Voegelin, Strauss, Habermas, and Foucault are among those who may be considered.

PREREQUISITE: Political Studies 253 or permission of the instructor

Seminar: Three hours a week

432 POLITICS AND THE MASS MEDIA

Students review the theory and practice of modern communication primarily as it affects Canadian politics. Principal themes examined include theories of mass communication, ideology and the media, media ownership, the political economy of the media, public regulation, and the political impact of the media. The writings of major communications thinkers such as Innis, McLuhan, and Chomsky are considered.

PREREQUISITE: None

Seminar: Three hours a week

433 POLITICS AND THE ENVIRONMENT

This seminar examines the cluster of issues that surround the pairing of politics with the environment. It begins with an overview of environmentalism as an emerging ideology of the late 20th century. Included in this overview is an examination of contending claims regarding the extent of humanity's threat to the environment, and a review of varying solutions to that perceived threat. The seminar concludes with a critical look at environmental issues as a political phenomenon, and assesses the prospects for continued political action in support of the environment into the future.

PREREQUISITE: Political Studies 253 or permission of the instructor

Seminar: Three hours a week

434 19th CENTURY EUROPEAN INTELLECTUAL HISTORY

This course examines the nature and roots of such ideologies as Conservatism, Liberalism, Romanticism, Socialism, Marxism, Positivism, and Darwinism.

Cross-listed with History (cf. History 481)

PREREQUISITE: History 201/202 or Political Studies 253 or permission of the instructor

Seminar: Three hours a week

435 20th CENTURY EUROPEAN INTELLECTUAL HISTORY

This course examines the nature and historical roots of such ideologies as Naturalism, Symbolism, Futurism, Existentialism, Surrealism, Fascism, National Socialism, and Totalitarianism.

Cross-listed with History 482 (cf. History 482)

PREREQUISITE: History 201/202 or Political Studies 253 or permission of the instructor Seminar: Three hours a week

491-492 DIRECTED STUDIES

This is a research or reading program available principally to Political Studies majors. The student undertakes advanced work in an area such as Canadian Politics, Political Theory, Comparative Politics, and International Politics and is supervised by a member of the Department in either semester. (See Academic Regulation 9 for Regulations Governing Directed Studies).

Psychology

www.upei.ca/psychology/

Psychology Faculty

Scott Greer, Assistant Professor, Chair

Annabel J. Cohen, Professor

Thomy H. Nilsson, Professor

Donald B. Mazer, Associate Professor

Terrance Q. Percival, Associate Professor

Catherine L. Ryan, Associate Professor

Philip B. Smith, Associate Professor

Colleen MacQuarrie, Assistant Professor

Stacey Nairn, Assistant Professor

Fiona Papps, Assistant Professor

Vickie A. Johnston, Lecturer

Tracy Doucette, Sessional Lecturer

Ellen Driscoll, Sessional Lecturer

Denise E. Gaudet-McPhail, Sessional Lecturer

Corrine Hendricken-Eldershaw, Sessional Lecturer

James G. Killorn, Sessional Lecturer

Alexander MacDonald, Sessional Lecturer

Peter C. McGonnell, Sessional Lecturer

Ken Pierce, Sessional Lecturer

Abder Sahouli, Sessional Lecturer

Adrian Smith, Sessional Lecturer

Cheryl Wartman, Sessional Lecturer

REQUIREMENTS FOR A MAJOR IN PSYCHOLOGY

Student may declare a major in Psychology at any time. Majors are expected to take four required courses, Psychology 101-102, Psychology 271 (or equivalent Statistics course), and Psychology 272, in their first two years. A formal review of each student's performance is conducted upon completion of the four core courses. Continuation of the program will be based upon a 70% average with no mark below 60% in the four core courses.

BACHELOR OF ARTS

Students pursuing a Bachelor of Arts degree with a major in Psychology must take at least fourteen semester courses (42 semester hours - see Note #7). In selecting these 14 courses, students must satisfy the following course selection criteria:

1. Majors are required to take:

Psychology 101	Introduction to Psychology—Part I
Psychology 102	Introduction to Psychology—Part II
Psychology 271	Statistics for the Behavioral Sciences I
Psychology 272	Introduction to Psychological Research

2. Majors are required to take at least one (1) course in six (6) of the seven areas listed below.

3. Majors must take at least two (2) courses selected at the 300-level or above.

4. Majors must take at least one (1) course selected at the 400-level (See note #6).

NOTE 1:

Completion of Psychology 271-272 satisfies the Research Methods and Statistics area requirement. (see Note #6)

NOTE 2:

Criteria (3) and (4) may be met in the process of satisfying criterion (2). That is, a course may satisfy both an area and a level requirement.

NOTE 3:

Other courses may satisfy an area requirement at the discretion of the Chair (e.g. Directed Studies courses).

NOTE 4:

Other electives may be drawn from all other courses in Psychology including Directed Studies Courses (Psychology 431-432), cross-listed courses offered by other Departments, and summer session courses in Psychology.

NOTE 5:

Students with a statistics course other than Psychology 271 will take a different Psychology course to meet the minimum requirement for fourteen semester courses in Psychology.

NOTE 6:

Special Topics courses in Psychology do not satisfy criterion #4 unless permission of the Chair has been granted. Psychology 480 and 490 do not satisfy criterion #4.

NOTE 7:

Psychology 480 and 490 are Honours Thesis courses and do not satisfy this requirement.

Behavioral Neuroscience

- 212 Drugs and Behaviour
- 311 Physiological Psychology
- 312 Brain and Behaviour
- 313 Introduction to Neuropsychology
- 321 Learning and Motivation: Basic Processes
- 403 Issues in Developmental Psychopharmacology

Clinical and Applied

- 352 Abnormal Psychology
- 353 Childhood Psychological disorders
- 362 Ergonomics
- 393 Health Psychology
- 452 Clinical Psychology
- 453 Human Services: Integrating Theory and Practice
- 461 Psychometrics

Critical and Historical Perspectives

- 301 History of Psychology I: Psychology from the Ancient to the Modern World
- 302 History of Psychology II: The Emergence of Modern Psychology
- 333 Ecopsychology
- 391 Psychology of Women
- 392 Men's Experience
- 435 Gender and Sexuality
- 463 Critical Issues for History and Systems of Psychology

Developmental

- 201 Developmental Psychology—General
- 303 Psychology of Aging
- 304 Development of Children's Cognitive Processes
- 305 Adolescent Development and Adjustment
- 341 Personal and Social Development: Infancy through Adolescence
- 342 Personal and Social Development: Adulthood
- 402 Advances in Infancy

Humanistic, Personality and Social

- 222 Psychology of Personal Experience
- 242 Introduction to Social Psychology
- 331 Creativity
- 351 Theories of Personality
- 441 Holistic Psychology - Part I
- 442 Holistic Psychology - Part II

Perception and Cognition

- 211 Touch, Smell, Taste and Hearing
- 381 Human Learning and Memory
- 382 Cognitive Psychology
- 383 Psycholinguistics
- 411 Vision
- 412 Music Cognition

Research Methods and Statistics

- 271 Statistics for the Behavioral Sciences I
- 272 Introduction to Psychological Research
- 322 Social Psychology - Experimental
- 371 Statistics for the Behavioral Sciences II
- 372 Experimental Psychology
- 373 Developmental Research Methods
- 374 Qualitative Research Methods

BACHELOR OF SCIENCE

Students pursuing a Bachelor of Science degree with a major in Psychology will complete the Psychology course requirements as described above for the Bachelor of Arts degree. Students seeking a B.Sc. will also be required to complete a minimum of eight semester courses (24 semester hours) of course work in the Faculty of Science. Credit in each of the following courses is required:

1. Biology 111 and 112
2. Mathematics 112, **OR** Mathematics 151 and 152
3. Chemistry 111 and 112 **OR** Physics 111 and 122 (or 112)
4. Information Technology 111
5. Two courses which have laboratory components at the 200-level or above in one of Biology, Chemistry, Physics, or Foods and Nutrition. Both courses must be in the same discipline area.

PREREQUISITES

The Psychology Department strongly recommends that English 101 be completed before taking 300 and 400 level Psychology courses. Psychology 101 and 102 are prerequisites for all other courses offered by the Department. Psychology 271 or equivalent and 272 are prerequisites for all 300-400 level courses in Psychology except where extra-departmental requirements are accepted (e.g. Psychology 362). Under exceptional circumstances, Third and Fourth Year students not majoring in Psychology may apply to the course instructor for a waiver of these prerequisites to 300-400 level courses. Prospective majors are expected to take Psychology 271 and 272 during their second year since these courses are required for entrance into the majors program. Courses not specifically listed as "Both semesters" are generally offered during only one semester of each year. Check the timetable to be certain.

FACULTY ADVISOR

Each Psychology major will be assigned a professor to serve as his/her Faculty Advisor. Your Advisor can help make you familiar with the Psychology program and offer assistance in course selection and career planning. Your Advisor will also be a person who will become familiar with you and your interests on an ongoing basis. It is recommended that you consult regularly with your Faculty Advisor to develop a course of study that will best prepare you for your future career plans.

RELATED COURSES OF STUDY

The Psychology Department also encourages its majors to take a wide variety of electives in the Sciences, Social Sciences and Humanities, in recognition of the value of a general education. Specific areas of study recommended

because they both broaden the student's basis of knowledge and relate particularly well to the discipline of Psychology include Sociology & Anthropology (because Psychology is a social science), Biology (because Psychology is also a biological science), and Philosophy (because the roots of the discipline are in philosophy and because contemporary psychological issues continue to reflect philosophical issues). Specific electives are, of course, a matter of the student's choice but we encourage serious consideration of the above mentioned suggestions. Those who wish further guidance should consult with their Faculty Advisor.

REQUIREMENTS FOR HONOURS IN PSYCHOLOGY

COURSE REQUIREMENTS

Eighteen (18) semester courses (54 semester hours) in Psychology which must include Psychology 101-102, Psychology 271-272, Psychology 480 (Honours Literature Review) and Psychology 490 (Honours Thesis). Students pursuing a Bachelor of Arts degree with Honours in Psychology must complete all of the requirements for a BA with a major in Psychology. Students pursuing a Bachelor of Science degree with Honours in Psychology must complete all of the requirements for a BSc with a major in Psychology. To graduate with an Honours degree requires a total of 42 semester courses (126 semester hours).

THE HONOURS THESIS

The Honours Thesis will consist of a paper written in the format specified by the Canadian Psychological Association. The thesis will most typically report a small research project, but other alternatives include: (a) a review paper that includes an original theoretical overview of the topic, or (b) a critique of the theory, research, or practice of psychology. The thesis is evaluated by a committee of at least three faculty members including the student's supervisor. There is an oral defence of the thesis. The deadlines for Honours applications are August 15, December 1, and May 1 annually.

ADMISSION REQUIREMENTS

1. A student must be a Psychology major.
2. A student must have an overall average of at least 70% in all prior courses. To remain in the program, a student must maintain an overall average of 70% in all courses and an average of 75% in Psychology courses.
3. A student must formally apply to the Department of Psychology for admission. The first step is to contact the Honours Co-ordinator or another member of the Psychology faculty who will advise the student of the steps in the application process. This initial contact will normally occur during the first half of the Third Year. Students will be required to fill out an application form, and to provide an updated transcript.

Students will be expected to have selected an area of study, and to provide a preliminary proposal for an Honours Thesis before proceeding with the formal application process. Admission to the program will be competitive, and because the demand for the program will likely exceed the resources, not all applicants who meet the formal requirements will be accepted. The completed Honours application should be submitted to the prospective Honours Thesis supervisor, who will then submit it to the Department for review.

OTHER INFORMATION ABOUT THE HONOURS PROGRAM

Because of the extra course requirements and the extra time consumed by the process of producing an Honours Thesis, early planning is important. Students may be required to pay part or all of the expenses to produce the Honours Thesis. The Department of Psychology intends to provide some financial support for students, but the amount will depend on (a) the funding the Department receives, and (b) the number of students in the program.

PSYCHOLOGY COURSES

101 INTRODUCTION TO PSYCHOLOGY: Part I

A general introductory survey of theory and research on basic psychological processes: research methodology in psychology, biological basis of behaviour, sensation and perception, learning and motivation, memory and cognition. Three hours a week lecture, one hour a week laboratory

102 INTRODUCTION TO PSYCHOLOGY: Part II

An introduction to psychological theory in the form of application of the basic processes (Psychology 101) to the individual in a social context. Areas include developmental psychology, personality theory and testing, emotion, personal adjustment and problems in living, therapies, and social psychology.

PREREQUISITE: Psychology 101

Three hours a week

NOTE: There are no regularly scheduled workshops for Psychology 102. However, students should expect that their instructor will involve them in projects and other such activities throughout the semester.

201 DEVELOPMENTAL PSYCHOLOGY

(offered in both semesters)

This course surveys the human developmental process including the basic concepts and mechanisms inherent in this process. Analytical and descriptive theories address the physical, cognitive and socio-emotional development of humans. Lectures, in-class assignments, and research projects are designed to encourage students to evaluate developmental change critically.

PREREQUISITE: Psychology 101-102

Three hours a week

NOTE: Credit will not be allowed for Psychology 201 if a student has already received credit for Family Science 341.

211 TOUCH, TASTE, SMELL AND HEARING

This course explains how we become aware of the world around us through the senses of touch, taste, smell, and hearing. Starting with various physical events, it proceeds to the conversion of these events into neural impulses which carry information to the brain. It examines how that information is organized to produce various sensory attributes of feeling, flavour, odour, and sound. Principles and theories of how the basic attributes are combined to produce the conscious experiences in our mind are addressed. Bi-weekly laboratory work illustrates some of the effects and research methods used to study these senses.

PREREQUISITE: Psychology 101-102

Three hours a week

212 DRUGS AND BEHAVIOUR

This introduction to psychopharmacology examines drugs which act on the nervous system and their subsequent impact on behaviour. Topics include basic neurophysiology and

mechanisms of drug addiction, tolerance and withdrawal. Discussion focuses on the effects and underlying mechanisms of several drug types including antidepressants, antipsychotics, alcohol, cocaine, hallucinogens, nicotine, and caffeine.

PREREQUISITE: Psychology 101-102

Three hours a week

222 PSYCHOLOGY OF PERSONAL EXPERIENCE

(offered in both semesters)

This course introduces students to the basic concepts and ideas in Humanistic and Existential psychologies, and involves applying and integrating psychological theory to personal experience. Students learn about theorists such as Jung, Rogers, Maslow, May, and Frankl, and the ways in which meaning, purpose, choice, and consciousness are fundamental to existence. The development of humanistic psychology from phenomenological and existential approaches is considered, and the differences from experimental psychologies are discussed. As ways of comprehending our lives, themes of personal ('self') and interpersonal ('self-in-relation') experience will be explored within a larger sociocultural context. Topics may include: being/becoming, intentionality, authenticity, values, growth, agency, identity, anxiety, and transcendent experience. Since this course focuses on finding ways for students to apply psychological insights to their every day lives, experiential learning, personal reflection and class discussion will be emphasized. Active class participation is therefore essential for this course, and may involve journals, small group work, written responses to the readings, or other opportunities for personal reflection, both inside and outside of class.

PREREQUISITE: Psychology 101-102

Three hours a week

242 INTRODUCTION TO SOCIAL PSYCHOLOGY

(offered in both semesters)

This course focuses on the ways in which an individual's thoughts, feelings, and actions are influenced by the social environment. It provides an introduction to major theories, principles, methods and findings of the discipline. Topics include social perception and cognition, attitudes and attitude change, gender, attraction, aggression, helping, conformity, obedience, group interaction, and cultural influences. Through a variety of assignments students are encouraged to attend to the operation of social psychological principles in daily living. The course includes both lectures and participation in group experiences.

Cross-listed with Sociology (cf. Sociology 282)

PREREQUISITE: Psychology 101-102 and/or Sociology 101-102

Three hours a week

262 PSYCHOLOGY OF RELIGION

See Religious Studies 262

PREREQUISITE: Psychology 101-102

271 STATISTICS FOR THE BEHAVIOURAL SCIENCES I

(offered first semester)

This course is an introduction to applied statistics as used by behavioural scientists in measurement, data analysis, and design of experiments. This course stresses both an understanding of the rationale governing the selection of appropriate designs or techniques as well as practical experience in calculation. Topics include: scaling, measures of central tendency and variability, probability, statistical inference and hypothesis testing, means tests (z and t), correlational techniques, chi-square and other non-parametric techniques, and analysis of variance.

PREREQUISITE: Psychology 101-102. Mathematics 101 is strongly recommended.

Three hours a week

NOTE: Credit will not be allowed for Psychology 271 if a student has received credit for any of the following courses: Mathematics 221, Mathematics 231, Education 481, and Sociology 332.

272 INTRODUCTION TO PSYCHOLOGICAL RESEARCH

This course introduces basic professional skills needed to understand the results of psychological research and to pursue such research. It presents various ways, including experiments, of doing research in psychology, and provides opportunities to try

out various methods in laboratory and field projects. This preparatory course for advanced psychology examines limitations of methods and ethical issues in research.

PREREQUISITE: Psychology 101-102, 271 - enrolment limited

Three hours a week class, two hours a week laboratory

301 HISTORY OF PSYCHOLOGY I: "PSYCHOLOGY" FROM THE ANCIENT TO THE MODERN WORLD

Students begin by considering the question "What is history?" and the issues of historiography. Special attention is paid to the early Greek philosophers and the foundational ideas of Socrates, Plato, and Aristotle. The emphasis on a 'soul' by early Christian writers is examined, and various philosophies of mind from the seventeenth and eighteenth centuries are discussed. Emphasis is placed on the social and political context in the construction of knowledge, and an appreciation of this context is fostered through the reading of original texts.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

302 HISTORY OF PSYCHOLOGY II: THE EMERGENCE OF MODERN PSYCHOLOGY

This course begins with Darwin and the 'naturalization' of the mind. The focus for the course is the founding of psychology as a separate discipline, and how earlier developments in philosophy and experimental science led to the emergence of the field. The origins of psychology in North America are contrasted with the development of German psychology, and the impact of the different social and cultural contexts is explored. Students examine twentieth century psychology, including the social and historical construction of 'normal' and 'abnormal,' the role of psychological testing in the professionalization of psychology, and a summary of the field's major systems of thought.

PREREQUISITE: Psychology 101-102, 271-272; Psychology 301 is strongly recommended

Three hours a week

303 PSYCHOLOGY OF AGING

This course examines the application of psychology to the study of human development in later life. A basic theme of the course concerns the psychological factors influencing changes associated with increasing age. Following a preliminary discussion of changing demographics and the history of the psychology of aging, the course addresses various topics, including psychophysiology, perception, memory, intelligence, sleep and arousal, social psychology, personality, and abnormal psychology

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor

Three hours a week

304 DEVELOPMENT OF CHILDREN'S COGNITIVE PROCESSES

(offered in alternating semesters)

This course examines cognitive processes from early infancy to early adolescence. Analytical and descriptive approaches, including Piagetian, neo-Piagetian, and information-processing theories, address how a child's knowledge is acquired and translated into behavioral and intellectual skills. Lectures, in-class assignments, and research projects encourage students to evaluate critically the process of children's cognitive change.

PREREQUISITE: Psychology 101-102, 201, 271-272 (limited enrollment)

Three hours a week

305 ADOLESCENT DEVELOPMENT AND ADJUSTMENT

This course examines both the research and theoretical perspectives in areas that are integral to an understanding of the period of adolescence and of adolescents themselves. We address the following areas: puberty and psychobiology; the development of cognition and social cognition; the formation of identity, including career options, and the development of sexuality and a system of values, factors that influence the formation of identity, such as the family, the peer group, and the media, the school experience; and issues in adolescent development such as some aspects of psychopathology, juvenile justice, and the problems encountered by indigenous youth.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

311 PHYSIOLOGICAL PSYCHOLOGY

This course focuses on the nervous system as the basis of all experience and behaviour. It examines how a biological perspective of the brain developed, how neuroanatomy defines brain function, how neurons transmit information, how body movement is controlled, and how touch, pain, sleep and arousal work.

PREREQUISITE: Psychology 101-102, 212, 271-272 or Biology 212; or permission of instructor (Biology 112 or 102 is recommended but not essential.)

Three hours a week

312 BRAIN AND BEHAVIOUR

This course builds on Psychology 311 to explore how far human behaviour can be explained in terms of brain physiology. Topics include: the operation of basic motivational mechanisms that regulate breathing, temperature, hunger and thirst; arousal, sleep and sexual behaviour; emotion, brain pathology and mental disorder; learning and memory.

PREREQUISITE: Psychology 101-102, 271-272, 311 or Biology 221; or permission of instructor

Three hours a week class, two hour laboratory a week

313 INTRODUCTION TO NEUROPSYCHOLOGY

This course explores current concepts of the function of the human forebrain as revealed through cortical damage and degenerative diseases. The course addresses basic principles of cortical organization and function and how these relate to issues of localization of function, hemispheric dominance, and sex differences in brain and behaviour. These principles are then applied to discussions of the cause and diagnosis of specific language, memory, and sensory dysfunctions resulting from developmental disorders, head trauma, and degenerative diseases.

PREREQUISITE: Psychology 101-102, 212 or 311, 271-272 or permission of instructor

Three hours a week class, one hour a week laboratory

321 LEARNING AND MOTIVATION: BASIC PROCESSES

This course provides a survey of learning theories presented by Thorndike, Pavlov, Hull, Skinner and others. It will concentrate on some of the controversial issues between the S-R and cognitive approaches, and explore some of the findings relating to the fundamental principles of learning, motivation, reinforcement, incentives, effects of punishment and the problem of generalization and discrimination in learning. The applicability of some of the basic principles discovered in the animal laboratory to the everyday behaviour of people will also be examined.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week class, two hour laboratory

322 SOCIAL PSYCHOLOGY—EXPERIMENTAL

This is a more advanced course than Psychology 242. The methodology of the social psychological experiment is investigated in detail. A good portion of class time is spent in analyzing published research and in planning and carrying out new research. In addition, students are expected to develop their own projects. Specific topics will vary from semester to semester but are likely to include such concerns as attitude change, compliance, person perception, altruism and aggression.

PREREQUISITE: Psychology 101-102, 271-272 (permission of instructor required, enrolment is limited)

Three hours a week

331 CREATIVITY

This course examines the nature of creativity as viewed from the psychoanalytic, cognitive problem solving, and humanistic existential perspectives. Topics include personality correlates of creative people, criteria and methods for judging creativity, the creative process, and the facilitation of creative potential. Small group participation is required.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

333 ECOPSYCHOLOGY

This seminar-style course examines the important role of the human relationship with nature in order to better understand psychological experience and ecological issues. It explores a variety of factors that may contribute to human disconnection from nature (such as technology, consumerism, psychological views of health and of the self) and ways of developing more sustainable relationships and deepening personal connections with nature (such as direct experience in nature, environmental restoration and activism, nature-based worldviews and psychotherapies, and systems theory). Some "field work" is required.

PREREQUISITE: Psychology 101, 102, 271, 272, or permission of the instructor. Other well-qualified students with backgrounds in subjects related to environmental studies are invited to seek permission of the instructor.

Three hours a week seminar, one hour a week laboratory

341 PERSONAL AND SOCIAL DEVELOPMENT: INFANCY THROUGH ADOLESCENCE

This course surveys theory and research on the personal and social development of the individual from infancy through adolescence. Drawing from the literature on both cognitive and emotional development, the course focuses on the person's continuing development of meaningful and organized relations with the self, other persons, and society. Topics include the development of self-understanding, interpersonal perspective taking, friendship relations, gender identity, and attitudes

towards social conventions and moral values.

PREREQUISITE: Psychology 101-102, 201, 271-272

Three hours a week

342 PERSONAL AND SOCIAL DEVELOPMENT: ADULTHOOD

This course begins with the organization of the initial young adult identity, and explores how this organized way of living may change as circumstances reveal its limitations. Higher levels of human development are explored from cognitive developmental, dynamic-emotional, and experiential perspectives. Individual patterns of adult identity formation, including gender differences, are also emphasized. Some specific areas of adult development include: the integration of love and work, generativity, faith development, and the development of wisdom.

PREREQUISITE: Psychology 101-102, 201, 271-272, and 304 or 341, or permission of the instructor

Three hours a week

351 THEORIES OF PERSONALITY

The purpose of the course is to survey, compare and evaluate different approaches to the study of personality. Relevant personality theory and research will be reviewed within a broad framework including the perspectives of the psychodynamic, behaviour theory, cognitive, and humanistic approaches. The processes of personality organization and disorganization will be examined from different theoretical perspectives. The emphasis will be placed on current personality theory and its relevance to the student as a person as well as its relevance to other psychological theories.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

352 ABNORMAL PSYCHOLOGY

A critical review of theories and research in psychopathology and psychotherapy. Special emphasis will be placed on a discussion of what constitutes abnormality and normality, and on the various models of deviance developed by the psychoanalytic, learning, existential-phenomenological and social-interpersonal approaches. Attention will be directed to a study of how these models are generated and the social consequences of designating an individual deviant.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

353 CHILDHOOD PSYCHOLOGICAL DISORDERS

This course examines developmental, behavioural, emotional, and social disorders in childhood. Those considered include autism, mental disability, conduct disorders, childhood depression, fears and anxieties, problems in social relationships, and health-related problems. Students explore the implications of various models for understanding the definitions, origins, and treatments of disorders.

PREREQUISITE: Psychology 101-102, 201, 271-272, 352

Three hours a week

362 ERGONOMICS

This course in applied psychology explains how to take into account human abilities and requirements in regard to tasks, equipment, facilities, and environment with an emphasis on improving satisfaction, performance, efficiency, and safety. Included for study are examples of jobs, tools, information, and buildings. An individually-designed project provides an opportunity for students to apply ergonomic principles.

PREREQUISITE: Psychology 101-102, 271-272, or Engineering 121 or permission of instructor

Three hours a week

371 STATISTICS FOR THE BEHAVIOURAL SCIENCES II

A more advanced course in applied statistics as used by behavioural scientists in designing and analyzing experiments and field studies. The major concentration of the course is analysis of variance and linear regression. In addition students are introduced to a variety of topics in multivariate statistics, including multiple regression and correlation, discriminant analysis, Hotelling's T^2 and multivariate analysis of variance.

PREREQUISITE: Psychology 101-102, 271-272. Students

majoring in areas other than psychology may enroll provided

they have completed an introductory statistics course

Three hours a week

NOTE: Psychology 371 and Mathematics 312 may not be

double credited without the permission of the Dean and the Chair of the Department in which the second credit is being sought.

373 DEVELOPMENTAL RESEARCH METHODS (offered in alternating years)

This advanced methods course familiarizes students with a variety of methodologies, approaches, and ethical issues involved in working with infants and children. The course focuses on the special procedures and techniques used by developmentalists, health-care professionals, and educators to study the behavioural and intellectual development of children. Students carry out laboratory and field-based activities such as early perceptual assessment, administering selected items from standardized tests, time and event sampling, naturalistic observation, and interviewing.

PREREQUISITE: Psychology 101-102, 201 or 202, 271-272, or permission of the instructor

Three hours a week class, two hours a week laboratory

374 QUALITATIVE RESEARCH METHODS

The purpose of this course is to help students gain a theoretical, practical and critical understanding of qualitative research methodology, and to teach skills for the execution of research projects based upon qualitative data. Qualitative research is research that focuses upon understanding, rather than predicting or controlling phenomena. Nine different paradigms of qualitative research methodology, their implications, and applications, are examined in this course. These paradigms are: data display, grounded theory, phenomenology, ethnography, psychobiography and historiography, psychoanalytic approaches, narrative psychology, hermeneutics and textual deconstruction, and social constructivism. Political and ethical issues are also highlighted in order to problematize and promote more critically informed inquiry.

PREREQUISITE: Psychology 101-102, 271-272

Lecture/Tutorial: Three hours a week

381 HUMAN LEARNING AND MEMORY

This course provides a survey of contemporary approaches to the problem of human learning and memory. It involves an examination of theories and research relating to the structure and content of human memory, information encoding, and retrieval processes. A variety of related topics including mental imagery, mnemonics, the structure of intelligence tests, and the effects of drugs on memory may also be included. Laboratory exercises will involve work with human subjects.

PREREQUISITE: Psychology 101-102, 271-272.

Three hours a week class, two hours a week laboratory

382 COGNITIVE PSYCHOLOGY

This course examines recent developments in cognitive psychology with special emphasis on the study of thinking, problem solving and decision making. Its topics include theories and research in inductive and deductive reasoning, information processing approaches to thinking and problem solving, and the implications of the cognitive perspective for our understanding of intelligence, creativity and mental development. A lab will provide students with the opportunity to perform problem solving demonstrations, test representative phenomena, analyze their own data, and examine the results in terms of current theories.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week class, two hours a week laboratory

383 PSYCHOLINGUISTICS

This course reviews the psychology of language from the perspectives of sensation, perception, cognition, and interpersonal processes. Topics include the nature of speech production and perception, the nature of grammatical and lexical knowledge, semantics and pragmatics, language acquisition, the social bases of human communication, and computer systems for language understanding.

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor
Three hours a week class, one hour a week laboratory

391 PSYCHOLOGY OF WOMEN

This course will focus on women's development throughout the life span. Topics will include: views of the nature of women, biological influences, the socialization process and its consequences at the individual, interpersonal relationship, and societal levels, as well as recent alternative views of the psychology of women.

Cross-listed with Women's Studies (cf. Women's Studies 391)

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor

Three hours a week

392 MEN'S EXPERIENCE

The purpose of this seminar course is to examine men's experience and development, including issues raised by contemporary feminism and the men's movement. It explores the following areas: the importance of gender, and ideas about what masculinity is; the psychological, biological and sociocultural factors that influence men's experience; and the implications of male gender roles for diverse aspects of men's lives (such as work, sports, sexuality, relationships, parenting, aggression).

Cross-listed with Women's Studies (cf. Women's Studies 392)

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor

Three hours a week

393 HEALTH PSYCHOLOGY

This course examines how psychological, social, and biological factors interact to influence health and illness. Students explore the systematic application of psychology to health promotion and maintenance, illness prevention and treatment, the determinants of health and illness, health care systems, and health policy.

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

402 ADVANCES IN INFANCY

This advanced course in developmental psychology focuses on the period of infancy (0-2 years). The course examines several contemporary research topics which change from year to year to reflect the most recent advances in the field. Specific topics are typically drawn from three areas of infant development: perceptual-motor intelligence; socio-emotional development; and parent-infant interactions. Students receive a general overview of infant behaviour and development while focusing on primary research materials and on student-centred laboratory research.

PREREQUISITE: Psychology 101-102, 201 or 202, 271-272 or permission of the instructor

Three hours a week seminar, one hour a week laboratory

403 ISSUES IN DEVELOPMENTAL

PSYCHOPHARMACOLOGY (offered in alternating years)
This is an advanced course in drugs and behaviour focusing primarily on issues of developmental differences in drug action and drug effects. Because many drug effects are determined by the maturity of the brain, some time is spent on developmental aspects of neuroanatomy and neurophysiology. A large part of the course focuses on factors which determine, or contribute to, developmental deficits/effects consequent to early (pre- and perinatal) drug exposure. Within this developmental framework, current pharmacological models, and debates surrounding pharmacological-based causes and treatments of disorders, such as hyperactivity and Alzheimer's disease, are discussed.

PREREQUISITE: Psychology 101-102, 212, 271-272 and permission of instructor

Three hours a week

411 VISION

This course explains how we see the world around us. Starting with the optics of the eye, it proceeds to the conversion of light into neural impulses which carry information to the brain. It examines how that information is organized to produce sensations of brightness, colour, shape and motion. It considers principles and theories of how this sensory information is combined to produce the conscious images in our mind - images that lead to recognition and to appreciation of beauty. Bi-weekly laboratory work illustrates some of the visual phenomena and the research methods used to study vision.

PREREQUISITE: Psychology 101-102, 271-272, 311 or permission of instructor

Three hours of class, a laboratory every other week

412 MUSIC COGNITION

This course focuses on the mental processes underlying music perception, performance and composition. Following a discussion of basic hearing mechanisms, students examine research on perception of musical elements (e.g., tone, interval, triad, harmony and rhythm) and then proceed to broader issues (e.g., musical memory, meaning, aesthetics and intelligence). Music cognition is also compared to other kinds of cognition. Students conduct experimental research.

NOTE: While students with musical background would be especially interested in this course, there is no need for prior formal training or knowledge of music.

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor

Three hours a week class, one hour a week laboratory

431-432 DIRECTED STUDIES**431 DIRECTED STUDIES**

These courses may take at least two different forms: (1) Directed Readings in Psychology, (2) Directed Research in Psychology. This course satisfies the required 400 level criterion in #4 of Bachelor of Arts.

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor.

See NOTE following 432

Three hours a week

Directed Readings is a course of supervised readings for individual students on advanced or specialized topics. Selected topics in the student's area of interest are submitted to and discussed with a faculty member. Reading will involve critical evaluation of the literature. Students will be evaluated on the basis of either oral or written performance.

Directed Research provides an opportunity for students, with the help of a faculty supervisor, to design and carry out research in Psychology. Students will be expected to write up their study according to the accepted format for publication. This course is recommended for students who intend to do post-graduate work in Psychology.

432 SPECIAL TOPICS

Special topics in Psychology. Except in unusual circumstances and where written permission of the chair has been received, this course does not satisfy the required 400 level criterion in #4 of Bachelor of Arts.

PREREQUISITE: Psychology 101-102, 271-272 or permission of instructor. See NOTE below.

Three hours a week.

Special Topics are courses offered by individual members of the Psychology faculty, or visiting instructors, which provide advanced instruction in specialized areas of study, and supplement the general program of courses in Psychology. Examples of special topics courses which have been offered are: Thinking in Sound, Developmental Research Methods, Behaviour Modification. Any such courses to be offered in a given year will be announced prior to Fall Registration through the Registrar's Office.

PREREQUISITE: Psychology 101-102, 271-272 and permission of instructor May be repeated when topics vary.

NOTE: Students planning to take either of the above courses should meet with a professor in the Psychology Department well in advance of registration to discuss the nature, design and content of the course. No one will be allowed to register for the course unless he/she has made arrangements with a professor in the Department. In accordance with present Senate regulations, no student shall take a total of more than 12 semester hours of Directed Studies courses in any one Department.

(See Academic Regulation 9 for Regulations Governing Directed Studies.)

435 GENDER AND SEXUALITY

This course provides a critical examination of gender and sexuality. It explores the individual, interpersonal, and societal constructions of gender and sexuality within varying biological, cultural, and historical contexts; and uses psychological theory and research to analyze experiences and representations of gender and sexuality.

Cross-listed with Women's Studies (cf. Women's Studies 435)

PREREQUISITE: Psychology 101-102, 271-272, 391 or 392, and permission of the instructor

Three hours a week seminar

441 HOLISTIC PSYCHOLOGY—Part I

This is an inquiry into a psychology of the wholeness of the person. This part of the course is an attempt to understand the personal world through a critical examination of the problems of becoming a person in our time. The approach to be taken is problem-centred with the person as a focal point. Each student is encouraged to formulate questions by which his/her inquiry will be guided. Extensive reading lists on humanistic themes will be provided. Possible topics include alienation, values, meanings, and identity.

PREREQUISITE: Psychology 101-102, 222, 271-272 and permission of instructor; enrolment is limited

Three hour block

442 HOLISTIC PSYCHOLOGY—Part II

In this second half of the course, the emphasis will be placed on integration of various viewpoints in psychology and related disciplines. A search of perspective and insights through readings, dialogue and group discussion. Some recurrent topics will be: symbolic processes, creativity, psychology of science, the meeting of Eastern and Western psychologies.

PREREQUISITE: Psychology 101-102, 222, 271-272, 441 and permission of instructor; enrolment is limited

Three hour block

452 CLINICAL PSYCHOLOGY

This course will focus on the different roles played by clinical psychologists and the settings that they work in. Special emphasis will be placed on the clinical psychologist as psychotherapist, and a variety of different approaches to personality change will be studied. The social, ethical and political implications of the work of clinical psychologists in their various roles will also be examined in depth.

PREREQUISITE: Psychology 101-102, 271-272, 351 or 352 and permission of instructor

Enrolment is limited

Three hours a week

453 HUMAN SERVICES: INTEGRATING THEORY AND PRACTICE

This course focuses on the connections between theories about human behaviour, cognition, and emotion, and the experience of clients and workers in human service settings. Students participate in service provision at an assigned agency and independently study and write about theoretical perspectives in psychology relevant to their field placement. Discussions include ethical issues in human services.

PREREQUISITE: Psychology 101-102, 271-272 and permission of instructor

One hour a week class, three to four hours field placement

461 PSYCHOMETRICS

This course examines the basic principles of psychological testing (such as norms, reliability and validity), and the major types of psychological tests, with particular emphasis on intelligence/ability and personality testing. The social and historical contexts of the testing enterprise are explored. Course work is organized around a major project in which students design, administer, and evaluate their own psychological tests. (Enrolment in the course is limited)

PREREQUISITE: Psychology 101-102, 271-272

Three hours a week

463 CRITICAL ISSUES FOR HISTORY AND SYSTEMS OF PSYCHOLOGY

This course focuses on the way the major systems of psychology engage in explanation and description. Students review psychology's main theoretical systems, including psychoanalysis, behaviorism, cognitive psychology, and humanistic psychology, and then examine specific critical issues within the field. Topics may include consciousness, emotion, the self, psychotherapy, neuroscience, gender, sexuality, and postmodernism.

PREREQUISITE: Psychology 101- 102, 271- 272. Psychology 301 and 302 are recommended.

Three hours a week

HONOURS COURSES

480 HONOURS LITERATURE REVIEW

Under the supervisor's direction, the student seeks out and studies reports of previous research and theoretical essays that relate to the conducting of a research project for an Honours degree in Psychology. Evaluation is based on the student's written review of the literature.

PREREQUISITE: Acceptance into the Psychology Honours Program.

Six semester hours of credit

490 HONOURS THESIS

This is a course that offers selected students the opportunity to conduct a research project and to write a thesis on that subject under the direction of a faculty supervisor. The topic of this project is established through consultation with one or more faculty members who have agreed to supervise the student in pursuing an Honours degree. The thesis is to be written in the professional format specified by the Canadian Psychological Association. The thesis is evaluated by a committee of at least three faculty members including the student's supervisor.

PREREQUISITE: Psychology 480

Six semester hours of credit

Public Administration

Co-ordinator:

Susan G. Graham, BBA, MBA, MPA

Coordinating Committee:

One nominee from each of the following:

School of Business Administration

Department of Political Studies

Department of Economics

The Federal Public Service in Prince Edward Island

The Public Service of Prince Edward Island

The PEI Regional Group of the Institute of Public

Administration of Canada (IPAC)

THE PROGRAM

The University of Prince Edward Island, through the Faculty of Arts, offers an interdisciplinary program of studies leading to a Certificate and a Diploma in Public Administration. The program is intended for working federal, provincial, and municipal public servants who wish to prepare themselves for higher administrative and management positions. Others with similar interests may apply. Every effort is made to schedule the compulsory and elective courses for the program at times convenient for those employed.

ADMISSION:

Admission requirements to the Certificate and Diploma Programs are as for the Faculty of Arts.

OBJECTIVES

The UPEI Public Administration program has three basic objectives:

- to develop, along with specific skills, an understanding of the interpersonal and interorganizational roles of an individual within the public service;
- to assist in the training and development of individuals for policy and administrative positions in the public service; and
- to equip individuals with knowledge and techniques for efficient and effective decision making.

CERTIFICATE PROGRAM

The Certificate program is designed and intended for advancement to the middle management in the public service. To qualify for a Certificate, a student must complete ten (10) three semester hours courses for a total of thirty (30) semester hours. Eight (8) of the three semester hour courses are compulsory and two (2) are chosen from the list of approved electives.

COMPULSORY CERTIFICATE COURSES

Organizational Behaviour	Business 271
Introductory Microeconomics	Economics 101
Introductory Macroeconomics	Economics 102
Academic Writing	English 101
Professional Writing	English 381
Canadian Politics I : Government	Political Studies 201
Law Politics and the Judicial Process I	Political Studies 211
Canadian Public Administration	Political Studies 311

DIPLOMA PROGRAM

The Diploma program is designed and intended for more advanced Public Administration education. To qualify for a Diploma, a student must complete an additional ten (10) three semester hour courses beyond the Certificate. Six (6) of the additional three semester hour courses are compulsory and four (4) are chosen from the list of approved electives. In addition, candidates for the Diploma in Public Administration must satisfy the Co-ordinator that they have completed a public service work experience of four months, full-time, in a public administration environment.

COMPULSORY DIPLOMA COURSES

Human Resource Management	Business 361
Communications	Business 461
Organizational Theory and Change	Business 471
Canadian Economic Problems	Economics 304
Canadian Federalism	Political Studies 302
Canadian Public Policy	Political Studies 314

APPROVED ELECTIVES

Electives from the following list may be selected for either the Certificate or the Diploma requirement but an elective **cannot** be used for both Certificate and Diploma.

Certificate and Diploma Electives

Management Information Systems	Business 241
Industrial Relations	Business 372
Business Law I: Introduction	Business 401
Business Law II: Advanced	Business 402

Prince Edward Island in the 20th Century The Canadian Experience	History 489 Canadian Studies 301 and 302 Economics 412
Public Finance Politics and Government of Prince Edward Island Law, Politics and the Judicial Process II Canadian Provincial Politics: A Comparative Perspective Public Policy in Small Island Jurisdictions	Political Studies 202 Political Studies 212 Political Studies 322 Political Studies 414

Any one of the following statistics courses:

Introductory Statistics	Mathematics 221
Statistics for Behavioural Sciences I	Psychology 271
Methodology and Research I	Sociology 331
Management Science I	Business 251

The substitution of one university credit course not now in the listing of elective courses which is directly related to the present work of the applicant may be permitted with the approval of the program co-ordinator.

EFFECTIVE DATE

The foregoing requirements for the Certificate and for the Diploma in Public Administration are effective with registration for the first semester of 2002-2003. Students registered in the program prior to that date shall continue to be governed by the requirements in effect at their date of first continuous enrollment.

Radiography

www.upei.ca/-science/radiography.html

Queen Elizabeth Hospital School of Radiography Faculty

Clara Morrison, R.T.R., ACR, Co-ordinator
John Goodwin, M.D., F.R.C.P.(c), Medical Director
Linda MacMillan, R.T.R., ACR, Instructor
Theresa Callaghan, R.T.R., ACR, Instructor
Cindy Fisher, R.T.R., Instructor

NOTE: For academic regulatory purposes in the Radiography program, Radiography students' Dean is the Dean of Science, and the Radiography Program Co-ordinator has the authority of a Department Chair.

THE BACHELOR OF APPLIED SCIENCE IN RADIOGRAPHY PROGRAM

In 1997, in cooperation with the QEH School of Radiography, the University of Prince Edward Island and the Queen Elizabeth Hospital (QEH) in Charlottetown entered an articulation agreement to enable the offering by the University of a Bachelor of Applied Science in Radiography. Students admitted to the program are subject to all of the Academic Regulations of the University, whether while taking courses offered by the University of Prince Edward Island or taking courses offered by the Queen Elizabeth Hospital. The QEH has its own regulations governing the behaviour of staff and students while on QEH premises.

COURSE SEQUENCING

NOTES:

1. Radiography courses must be taken in the prescribed sequence.
2. Students are required to maintain satisfactory certification in CPR, as required by the QEH, throughout their program.

COURSE	CREDIT TOTALS
First Year (required courses for admission to the program)	
Biology 111/112	Introduction to Organisms 6
	Introduction to Cell & Molecular Biology
Physics 111/112	General Physics 6
or Physics 111/122	or Physics for Life Sciences
Chemistry 111/112	General Chemistry 6
Mathematics 112	Calculus for Life Sciences 3
	(alternatively, Math 151/152)
Psychology 101/102	Introduction to Psychology 6
English	Preferably 101 3
	(highly recommended)
Total	30

Second Year (after admission to the program)

QEH Orientation	Compulsory 0
QEH 201/202	Anatomy & Physiology I & II 6
QEH 211/212	Radiographic Technique I & II 6
QEH 221	Patient Care I 2
QEH 231	Physics in Radiography 2
QEH 241/242	Image Recording I & II 4
QEH 272	Image Quality 3
QEH 282	Apparatus I 2
IT 121	Introduction to Computer Programming 3
Mathematics 221	Introductory Statistics 3
Total	31

Third Year

QEH 321	Radiographic Technique III 2
QEH 331	Pathology I 3
QEH 353	Specialized Imaging 3
QEH 383	Apparatus II 3
QEH 391	Clinical Radiography I 3
Group II Elective	Philosophy 101, or 102 or any course above the first year level in the Faculty of Arts 3
4 Free Electives	12
Total	29

FOURTH YEAR

English Elective	(101) if not taken yet 3
Family Science 261	Communications 3
Nursing 303	Issues in Nursing & Health Care 3
Family Science 331	Introduction to Research Methods 3
Group I Elective	Any Psychology course above first year level 3
QEH 312	Patient Care II 2
QEH 332	Pathology II 3
QEH 341	Radiographic Technique IV 2
QEH 362	Quality Control 2
QEH 372	Radiation Biology and Protection 3
QEH 392	Clinical Radiography II 3
Total	30

1. In order for students to progress to the next year of the program, the student must obtain a weighted average of 60% or higher over all courses taken in the previous academic year.

2. In order for any student to advance to the next semester of the program, the student must obtain a grade of at least 50% in each course taken in the previous semester. A passing grade will only be given when each component of multi-component courses, as identified by the instructors, has been completed successfully.

3. Attendance in all activities related to clinical/laboratory components of Radiography courses is mandatory. A student who is absent repeatedly from clinical/laboratory sessions may be required by the Dean to withdraw from a course. The Program Co-ordinator may prohibit a student from attending a clinical session if there is reasonable evidence that the student's physical or psychological health may be detrimental to patients or patient care.

4. Once admitted to the program, students must complete all of the required Radiography (QEH) courses in the following two academic years. Any exceptions are by special permission of the Dean. No Radiography (QEH) credit more than five years old will be accepted towards the degree of Bachelor of Applied Science in Radiography.

5. Because Radiography has a strong clinically-based component, radiographic course work does not necessarily fit within the formal academic calendar. Certain second semester Radiography courses may continue until the summer months, with completion as late as August. Students are encouraged to consult with the School of Radiography.

RADIOGRAPHY COURSES

NOTES:

1. Radiography courses **must be taken** in the program sequence.

2. No Radiography course may be taken unless the student has first completed the **Program Orientation**, offered by the QEH after admission and prior to the beginning of the program.

201/202 ANATOMY AND PHYSIOLOGY I & II

These courses provide students with a comprehensive review of skeletal anatomy, and with a review of the organ systems involved with the regulation, control and the continuity of the human organism. Cross-sectional anatomy is considered in the context of its use in Computer Axial Tomography and Magnetic Resonance Imaging.

LECTURES/DEMONSTRATIONS: 3 hours

HOURS OF CREDIT: 3

211/212 RADIOGRAPHIC TECHNIQUE I & II

These courses provide students with the theory and practical skills necessary to produce diagnostic radiographs of all body parts with and without contrast media. Students learn to operate radiographic equipment, position patients, set technical factors, prepare and administer and/or assist with administration of contrast media, deliver radiation within the diagnostic range as prescribed by physicians, and use radiation protective devices.

LECTURES/LABORATORIES: 4 hours, plus approximately 6 hours a week of "hands on" clinical experience.

HOURS OF CREDIT: 3

221 PATIENT CARE I

This course places emphasis on the technical and interpersonal skills needed in meeting the physical and emotional needs

of patients. Students learn techniques of therapeutic communication; clinical, legal and ethical responsibilities; infection control, and medical assistance in certain areas.

LECTURES/LABORATORIES: 2 hours

HOURS OF CREDIT: 2

231 PHYSICS IN RADIOGRAPHY

This course examines those aspects of Physics that pertain to the origin, nature and behaviour of x-ray and related types of radiation.

LECTURES/LABORATORIES/TUTORIALS: 3 hours

HOURS OF CREDIT: 2

241/242 IMAGE RECORDING I & II

These courses provide students with knowledge of the theory and practice behind the production of a diagnostic radiographic image and the materials used to preserve the image. Topics include fundamentals of the photographic process, recording material, film, cassettes, processing solutions, processing equipment, image quality, artefacts, and quality control pertaining to processing and sensitometry.

LECTURES/LABORATORIES: 4 hours

HOURS OF CREDIT: 4

272 IMAGE QUALITY

This course provides students with background in the operation of the x-ray tube and with in-depth knowledge of the factors that determine a good quality image.

LECTURES/LABORATORIES: 3 hours

HOURS OF CREDIT: 3

282 APPARATUS I

This course provides an in-depth treatment of the generating equipment and the electrical circuitry essential for the operation of an x-ray machine. Training is provided in the safe, competent operation of the x-ray machine.

LECTURES/LABORATORIES: 3 hours

HOURS OF CREDIT: 2

312 PATIENT CARE II

This course is a continuation of Radiography 221, and focuses on patients with special needs such as infection, altered body image, unconsciousness, and critical illness or terminal illness. Students learn basic nursing skills, the pharmacology of common drugs and reactions, and basic first aid.

LECTURES: 3 hours

HOURS OF CREDIT: 2

321 RADIOGRAPHIC TECHNIQUE III

This course is a continuation of Radiography 211/212, and focuses on the clinical aspects of body systems. Emphasis is placed on invasive and therapeutic procedures performed in Radiography. Topics include procedure protocols, patient preparation, contrast media, indications and contraindications, communication skills, empathy, consent/refusal, positioning, and equipment.

LECTURES/LABORATORIES: 3 hours

HOURS OF CREDIT: 2

331 PATHOLOGY I

This course examines the terminology used in the study of disease. Emphasis is placed on means of recognizing signs and symptoms of specific diseases in which radiography offers a major contribution in reaching a diagnosis. The radiographic appearance of these diseases and the effect played in diagnosis by the correct selection of technical factors are considered.

LECTURES/DEMONSTRATIONS: 3 hours

HOURS OF CREDIT: 3

332 PATHOLOGY II

This course is a continuation of Pathology I, and emphasizes the characteristics and radiographic significance of pathological conditions and their impact on producing a radiographic examination.

LECTURES/DEMONSTRATIONS: 3 hours

HOURS OF CREDIT: 3

341 RADIOGRAPHIC TECHNIQUE IV

This course is a continuation of Radiography 321 and focuses on specialized contrast procedures including arthrography, myelography, and angiography; and the newer imaging modalities such as digital fluoroscopy, digital angiography, and CT scanning.

LECTURES: 3 hours

LABORATORIES: 3 hours

HOURS OF CREDIT: 2

353 SPECIALIZED IMAGING

This course provides a theoretical background in the newer imaging modalities, including computed tomography, digital radiography, digital fluoroscopy digital subtraction, angiography, and magnetic resonance imaging.

LECTURES/LABORATORIES/DEMONSTRATIONS: 3 hours

HOURS OF CREDIT: 3

362 QUALITY CONTROL

This course provides theoretical and practical knowledge of the methodologies used to establish effective quality control. Topics include KVP accuracy, MA linearity, timer accuracy, focal spot size, field light congruence, HVL measurement, radiation leakage, and fluoroscopic resolution.

LECTURES/LABORATORIES/TUTORIALS: 4 hours

HOURS OF CREDIT: 2

372 RADIATION BIOLOGY AND PROTECTION

This course provides students with a comprehensive review of the biological risks associated with ionizing radiation, and instruction in the methods and practices which ensure that radiation doses are held to the lowest practical levels.

LECTURES/SEMINARS: 3 hours

HOURS OF CREDIT: 3

383 APPARATUS II

This course provides students with knowledge of the accessory equipment used in conjunction with x-ray generating units.

LECTURES/LABORATORIES: 3 hours

HOURS OF CREDIT: 3

391 CLINICAL RADIOGRAPHY I

In this course, students perfect their skills in clinical Radiography. Students perform Quality Control tests and assist QC technologists with audits and miscellaneous projects.

CONTACT HOURS: 3 ½ days a week for approx. 7 weeks.

HOURS OF CREDIT: 3

392 CLINICAL RADIOGRAPHY II

This course provides final clinical preparation for writing national certification examinations. In addition to time spent in a clinical setting at the QEHL, students complete two weeks of clinical experience at another hospital.

CONTACT HOURS: approx. 15 weeks.

HOURS OF CREDIT: 3

Religious Studies

www.upei.ca/religiousstudies/

Religious Studies Faculty

Edward Y.J. Chung, Associate Professor, Chair

A. Bernice Cullen, Professor Emeritus

Philip G. Davis, Professor

Joe Velaidum, Assistant Professor

Kevin J. Arsenault, Adjunct Professor

Callum Beck, Adjunct Professor

Lorraine Buck, Adjunct Professor

George W. Young, Sessional Lecturer

THE RELIGIOUS STUDIES PROGRAM

The Department of Religious Studies offers courses of general interest on religion as well as Major and Minor programs. Religion is one of the vital elements of human existence. Religious inspirations and aspirations help to shape the personal, cultural and social life of human beings; in turn, religious systems reflect and respond to the historical and social settings in which they find themselves. No understanding of human life is complete without some consideration of the basic questions of truth and meaning posed by religions and the rich variety of answers professed and lived within the religious traditions of the world.

The Department has six groups of courses, as follows:

A. General Introductions

- 101 Introduction to the Study of Religion
- 102 Religions of the World

B. Thematic Introductions

- 103 Myths of Love, Sex and Marriage
- 104 Myths of Hate and Evil

C. Western Religious History

- 202 Christianity and its Denominations
- 213 Introduction to the Bible as Literature
- 216 The Bible as Scripture
- 243 The Jewish Religious Tradition
- 244 The Islamic Religious Tradition
- 301 Occultism and the New Age Movement
- 302 Contemporary Sects and Cults
- 312 Jesus and the Gospels
- 313 World of the Bible
- 315 The Prophets and Wisdom Literature
- 333 The Persecution of the Early Christians
- 384 Early Christian Thought

D. Eastern Religions and Comparative Religion

- 201 Religious Traditions of Asia
- 221 Buddhism East and West
- 242 The Hindu Religious Tradition
- 251 Japanese Religion and Culture
- 261 Religion and Philosophy in China
- 321 Women in Eastern Religions
- 322 Religious Ethics East and West
- 323 Interreligious Dialogue: Paths, Principles & Issues
- 352 Mysticism in Buddhism and Christianity

E. Religion and Modernity

- 232 Christian Ethics
- 233 Religion, Spirituality and Ecology
- 234 The Interactions between Religion and Science

- 235 Skepticism, Agnosticism, Atheism and Belief
- 262 Psychology of Religion
- 362 Philosophy of Religion
- 385 Modern Christian Thought

F. Advanced Seminars

- 471 Comparative Study of Religion
- 481 Methods and Issues in Biblical Research
- 491 Theoretical Issues in Religion and Modernity

Other

- 111 Introduction to Biblical Hebrew
- 112 Introduction to Biblical Hebrew II
- 271 Classical Mythology (see Classics 121)
- 272 Medieval Art (see Fine Arts 212)
- 282 Medieval Philosophy (see Philosophy 212)
- 331 History of Christianity to Reformation
(see History 321)
- 332 History of Christianity to Present
(see History 322)
- 351 Religion and Society
(see Sociology/Anthropology 421)

REQUIREMENTS FOR A MAJOR IN RELIGIOUS STUDIES

Forty-two semester hours in Religious Studies are required for the Major. These must include at least one course from each of groups A, B, and F, and at least two courses (one of which must be at the 300 level) from each of groups C, D, and E.

REQUIREMENTS FOR A MINOR IN RELIGIOUS STUDIES

Twenty-one semester hours in Religious Studies are required for the Minor. These must include at least one course from each of groups A, B, C, D, and E. At least two courses in total must be at the 300 or 400 level.

RELIGIOUS STUDIES COURSES

101 INTRODUCTION TO THE STUDY OF RELIGION

This course explores the phenomenon of religion as an answer to basic human questions about God, the person, and the world. The course teaches different approaches to the study of religion.

Three hours a week

102 RELIGIONS OF THE WORLD

This course is an introduction to the major living religions: Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, and Taoism. Attention is directed to the ways in which each defines and promotes human fulfilment. Various audio-visual materials complement the lectures to convey an awareness of the non-verbal dimensions of religion.

Three hours a week

103 (formerly 361) MYTHS OF LOVE, SEX, AND MARRIAGE

This course explores the great mythologies of love. The historical significance of religion and love is discussed, leading to a better understanding of our current religious values and secular presuppositions. Recurring themes drawn from various Western religious traditions may include the topics of fidelity, marriage, divine love, human love, sexuality, and personal identity.

Cross-listed with Women's Studies (Women's Studies 103)

Three hours a week

104 MYTHS OF HATE AND EVIL

This course explores the great mythologies of hate and evil. The historical development of this topic in Western literature is discussed, leading to a better understanding of our current religious and secular presuppositions of hatred and evil. Recurring themes may include scapegoating, the Devil, theodicy, heresy, violence, immorality, and religious intolerance.

Three hours a week

201 RELIGIOUS TRADITIONS OF ASIA

This is an historical survey of the major Eastern religions. The course investigates the origin and development of Hinduism and Buddhism in India and of Confucianism and Taoism in China; the spread of Buddhism through the Far East, including Japan; and the impact of the West on the religious life of modern Asia.

Cross-listed with History (cf. History 281)

Three hours a week

202 CHRISTIANITY AND ITS DENOMINATIONS

This course begins with an examination of the basic teachings of the Christian religion, particularly the nature of God, Christ, the Church, and the process of salvation. The course explores the characteristic doctrines and practices of Orthodox, Roman Catholic and Protestant churches, with special consideration of their roles in Canadian society and culture. Smaller groups like the Hutterites, Mennonites, and Quakers may also receive attention.

Three hours a week

213 INTRODUCTION TO THE BIBLE AS LITERATURE

This course is designed to familiarise the student with those elements of the Bible which have been most influential on the development of the literature, speech and thought of the English-speaking peoples. Through close reading of Old and New Testament texts selected for their narrative impact and their lyric and dramatic intensity, the course explores the major religious and imaginative themes of the Bible and the literary genres it employs.

Three hours a week

NOTE: This course is accepted for credit towards the Major and Minor in Religious Studies.

216 (formerly 314) THE BIBLE AS SCRIPTURE

This course examines the Bible in the context of its role as normative Scripture for Jews and Christians. Several major themes of the biblical literature are investigated: the nature of God and other spiritual beings; creation; man and woman; sin, suffering, and the problem of evil; messianism, Christology, and salvation.

Three hours a week

221 BUDDHISM EAST AND WEST

This course is an introduction to Buddhism, the most influential and popular religion in East Asia. There is special emphasis on the historical development of its major doctrines, practices, and institutions in India, and their transformation in East Asia (China, Japan and Korea). The course studies the recent spread of schools such as Zen in Europe and North America, and also investigates their impact on Western religion and thought.

PREREQUISITE: Religious Studies 101 or 102 or permission of the instructor

Three hours a week

232 CHRISTIAN ETHICS

This course explores the place of morality in Christian thought and life, the basis and content of Christian moral teaching, and Christian approaches to contemporary moral and ethical issues.

Three hours a week

233 RELIGION, SPIRITUALITY, AND ECOLOGY

This course explores the historical and current relationship between religion, spirituality, and ecology in the Western world. Through an in-depth understanding of the historical development of the views of nature, the current relationship between the “Super-Natural,” the human, and the “natural” worlds is illuminated. The course presents attitudes toward nature from Aboriginal, Asian, and Western religions.

Three hours a week

234 THE INTERACTION BETWEEN SCIENCE AND RELIGION

This course focuses on the current and historical interactions between science and religion. Readings from scientists, philosophers of science, theologians, and scholars of religion are included in this investigation of the interaction, conflict, and continuing dialogue between science and religion. This course aims to provide a better understanding of the current relationship between these two forces and a greater appreciation of their long history.

Three hours a week

235 SKEPTICISM, AGNOSTICISM, ATHEISM, BELIEF

This course is an historical examination of the meaning of existence for several theologians, religious thinkers, philosophers, and scientists, and the importance or irrelevance that religious faith and values hold in their systems of thought and various historical circumstances. The historical meanings of skepticism, agnosticism, atheism and belief are studied alongside various contemporary issues, such as the problems posed by science and technology. Writers with both philosophical and theological perspectives are considered.

Cross-listed with Philosophy (cf. Philosophy 235)

Three hours a week

242 THE HINDU RELIGIOUS TRADITION

This course explores the development of Hinduism from its origins in the Indus Valley Civilization and the arrival of the Indo-Aryans through to the maturation of Hindu culture and civilization. The course covers myths of the Hindu gods and goddesses, approaches to personal and social life, karma and reincarnation, yoga, meditation and the quest for absolute truth. The influences of Islam and European colonialism on Hinduism, and Hindu influences on modern Western religion and thought, also receive attention.

Three hours a week

243 THE JEWISH RELIGIOUS TRADITION

This course follows the development of Judaism from biblical times to the present day. After considering the religious beliefs and practices of the ancient Israelites, Jews and Samaritans, the course examines the character of Jewish life and community as it was formed by the laws of the Torah, the commentaries of the Talmud, and the spirituality of Kabbalism and Hasidism. The course also explores the shaping of modern Judaism by such factors as emancipation, the Holocaust, and the establishment of the state of Israel.

Three hours a week

244 THE ISLAMIC RELIGIOUS TRADITION

Beginning with the establishment of Islam as a religion and a community under Muhammad, the course follows the spread of Islamic culture and civilization, and gives a thorough introduction to the main Islamic teachings and their basis in the Qur'an and Hadith. Finally, it covers some current issues such as relations with the modern West, the Palestinian-Israeli conflict, and contemporary “Islamist” movements.

PREREQUISITE: RS 102 is recommended.

Three hours a week

251 JAPANESE RELIGION AND CULTURE

This course is an introduction to Japanese religion and culture. It examines the role of the “New Religions” as well as the transformation of the older traditions (Shinto, Buddhism, Confucianism) in Japanese society. The course also explores the impact of Western thought and modern developments on traditional Japanese religion and the balance between tradition and modernity in Japan.

Three hours a week

261 RELIGION AND PHILOSOPHY IN CHINA

This course is an introduction to Chinese religion and philosophy. It examines the so-called “Three Teachings” in China: Confucianism, Taoism, and Buddhism. Most of the course deals with the basic philosophical concepts, moral values and religious beliefs of these major traditions. Attention is directed also to their impact on traditional China, as well as on other East Asian countries, including Japan and Korea. The course concludes by considering the contemporary situation of each tradition in response to recent economic, social and political changes.

Cross-listed with Philosophy (cf. Philosophy 264)

Three hours a week

262 PSYCHOLOGY OF RELIGION

Psychological theories and insights are used to explain and inquire into the nature of religious phenomena.

Cross-listed with Psychology (cf. Psychology 262)

Three hours a week

271 CLASSICAL MYTHOLOGY

See Classics 121

272 MEDIEVAL ART

See Fine Arts History 212

301 OCCULTISM AND THE NEW AGE MOVEMENT

This course investigates the most influential occult theories and practices in the modern West, and the extent of their influence on larger social trends. The following topics figure prominently in the course material: traditional magic and witchcraft, Spiritualism, Theosophy, occult elements in Nazism, the Golden Dawn (including Aleister Crowley), radical feminist witchcraft and Goddess spirituality, and Satanism.

PREREQUISITE: Three hours in Religious Studies or permission of the instructor

Three hours a week

302 CONTEMPORARY SECTS AND CULTS

This course investigates various marginal or unorthodox religious movements which have existed in Europe and North America during the past two centuries. After an introductory discussion of the ways in which religious groups can be classified, the course is devoted to examining the origins, beliefs and practices of movements such as Jehovah's

Witnesses, the Latter-Day Saints (Mormons) and the Unification Church (Moonies).

PREREQUISITE: Three hours in Religious Studies or permission of the instructor
Three hours a week

312 JESUS AND THE GOSPELS

This is a course devoted to the historical study of the Gospels. First, each Gospel is investigated individually in order to address its own particular issues and emphases, and its context in first-century Christianity. The course turns to the modern critical study of the life and teachings of Jesus and the scholarly attempt to ascertain what can be known historically about this central figure in Western civilization.

PREREQUISITES: Religious Studies 213 or 216 or permission of the instructor
Three hours a week

313 THE WORLD OF THE BIBLE

This course focuses on the interaction between biblical tradition and those religions and cultures which had the most extensive contact with ancient Israel and the early Christian church. Specific topics of study may include the Epic of Gilgamesh, the laws of Hammurabi, the Amarna period in Egypt, the myth cycle of Ba'al, Zoroastrianism, hellenistic philosophy, the mysteries of Isis and Mithras, and Gnosticism. Cross-listed with Classics (cf. Classics 313)

PREREQUISITE: Religious Studies 213 or 216 or permission of the instructor
Three hours a week

315 (formerly 214) THE PROPHETS AND WISDOM LITERATURE

This course is a thematic examination of some of the most influential books in the Hebrew Bible (Old Testament). The first half of the course is devoted to the wisdom literature of Job, Proverbs and Ecclesiastes, and the issues they confront: the meaning of life, the problem of pain, and how to live a successful life. The second half explores some of the key passages in Israel's prophetic corpus. Issues such as social justice, the Messianic prophecies, and the prophetic consciousness are examined. As well, critical topics such as the authorship of key books and the prophetic movement in Israel and surrounding nations is considered.

PREREQUISITE: Religious Studies 213 or 216 or permission of the instructor.
Three hours a week

321 WOMEN IN EASTERN RELIGIONS

This course is a general survey of the status of women in Eastern religions, particularly Hinduism, Buddhism, Confucianism, Taoism, and Shinto. The positions that these traditions take on the status of women are illustrated. The course examines how these traditions may have helped generate or reinforce culturally specific perspectives on women. The approach is textual and descriptive.

Cross-listed with Women's Studies (cf. Women's Studies 321)
PREREQUISITE: Religious Studies 102 or 201 or 242 or permission of the instructor
Three hours a week

323 INTERRELIGIOUS DIALOGUE: PATHS, PRINCIPLES, AND ISSUES

This lecture-seminar course explores interreligious dialogue, a growing topic in comparative religion. The major models, methodological questions, practical issues, and their ongoing developments are discussed from Western, Eastern, and

comparative perspectives: e.g., Jewish-Christian-Islamic dialogue, ecumenical dialogue, Hindu-Christian dialogue, Buddhist-Christian dialogue, and Confucian-Christian dialogue. Various readings are selected from the current scholarship on relevant topics, theories, and ideas.

PREREQUISITES: One of Religious Studies 101, 102, 201, or permission of the instructor.
Three hours a week

331 HISTORY OF CHRISTIANITY TO THE REFORMATION

An examination of the growth and development of Christianity from the time of Jesus up to the Reformation. Special emphasis on the relationship between the growth of the Church and the broader historical context within which it occurred.

Cross-listed with History (cf. History 321)
Three hours a week

332 HISTORY OF CHRISTIANITY FROM THE REFORMATION TO THE PRESENT

An examination of some of the principal developments within Christianity from, and including, the Reformation until the present. Special emphasis on the relationship between these developments and the broader historical context within which they occurred.

Cross-listed with History (cf. History 322)
Three hours a week

333 THE PERSECUTION OF THE EARLY CHRISTIANS

This course traces the persecution of the Christians from the first to the early fourth centuries by examining relevant portions of both pagan and Christian works. Such works include accounts of early Christian martyrdoms, second-century Christian apologies, letters of Christian bishops to their flocks, as well as writings by pagan historians, biographers, philosophers, and orators.

Cross-listed with Classics (cf. Classics 333) and History (cf. History 343).

PREREQUISITE(s): Religious Studies 102 or 202 or 216 or permission of the instructor.
Three hours a week

351 RELIGION AND SOCIETY

See Sociology/Anthropology 421

352 MYSTICISM IN BUDDHISM AND CHRISTIANITY

This course is an introduction to mysticism in two major traditions: Buddhism and Christianity. Some of the major Buddhist doctrines and practices are compared with those of Christianity. Special attention is given to notions of mystical experience, I-Thou relationship, God/Emptiness, sainthood/buddhahood, and self-transformation. The approach is textual and comparative, using cross-cultural perspectives.

PREREQUISITE: One of Religious Studies 101, 102, 201, 221, or permission of the instructor
Three hours a week

362 PHILOSOPHY OF RELIGION

See Philosophy 362

384 EARLY CHRISTIAN THOUGHT

This course examines early Christian thought as it developed out of the conflict between heresy and what was later known as orthodoxy. Topics include the unity of the Old and New

Testaments, ecstatic prophecy, the Trinity, the nature of Christ, asceticism, and free will, as expressed in such heretical movements as Marcionism, Montanism, Arianism, Apollinarianism, Jovinianism, and Pelagianism. The course considers these movements through the writings of such early Christian authors as Irenaeus, Tertullian, Athanasius, Gregory of Nazianzus, Jerome, and Augustine.

PREREQUISITE: Religious Studies 102 or 202 or 216 or permission of the instructor

385 MODERN CHRISTIAN THOUGHT

This course explores the rich heritage of Christian theological, religious, and philosophical thought on various modern themes, such as objectivity, technology, postmodernism, and secularization. Discussions centre on the historical developments of Christian thought in the modern era and their various meanings both within and outside Christian intellectual thought.

PREREQUISITES: Religious Studies 101, 102, 103, or permission of the instructor.

Three hours a week

451-452 DIRECTED STUDIES

This is a course in selected topics in Religious Studies offered by visiting professors, or by way of supervised reading, or other special circumstances approved by the Chair and the Dean. Suggested topics include modern research on Jesus; biblical prophetic and apocalyptic literature; Jewish messianism and early christology; interreligious dialogue; Christianity in Asia; shamanism and folk religion in Asia; the thought of Paul Tillich and Karl Barth; the Ecumenical Movement (Protestant, Catholic, Jewish); religion, politics and the economy. (See Academic Regulation 9 for Regulations Governing Directed Studies.)

471 THE COMPARATIVE STUDY OF RELIGION

This course of directed readings and research begins with the consideration of the methodologies employed in the study of religion. It applies some of them in an examination of selected Eastern and Western religious traditions. Offered as tutorial or seminar according to need.

PREREQUISITE: At least two courses from Groups A and/or D, or permission of the instructor

Three hours a week

481 METHODS AND ISSUES IN BIBLICAL RESEARCH

This seminar course provides the grounding for students to pursue biblical research at an advanced level. Various methodologies of biblical criticism, and critiques of those methodologies, constitute the essential content of the course.

PREREQUISITES: At least two of Religious Studies 213, 216, 312, 313 or 315, or permission of the instructor.

Three hours a week

491 THEORETICAL ISSUES IN RELIGION AND MODERNITY

This seminar investigates the critical questions, academic methods and theoretical issues addressed in the study of religion, modernity, and postmodernity. Issues may include the religious implications of truth and objectivity, science and technology, the fact/value distinction, modern and postmodern angst, and de-centeredness.

PREREQUISITES: At least two courses from Groups B and/or E, or permission of the instructor.

Three hours a week

Sociology and Anthropology

Sociology and Anthropology Faculty

Satadal Dasgupta, Professor Emeritus
Joseph P. Kopachevsky, Assistant Professor, Chair
Godfrey Baldacchino, Associate Professor
Thomas Trenton, Associate Professor
Richard Wills, Associate Professor
Benet Davetian, Assistant Professor
Udo Krautwurst, Assistant Professor
Jean Mitchell, Assistant Professor
Judy Lynn Richards, Assistant Professor
Robert G. Albert, Sessional Lecturer
Francis F. Lavandier, Sessional Lecturer
Lawrence H. LeClair, Sessional Lecturer
Alan S. Paquet, Sessional Lecturer
Patrick Reilly, Sessional Lecturer
David D. Varis, Sessional Lecturer

PROGRAMS IN SOCIOLOGY AND ANTHROPOLOGY

The Department of Sociology and Anthropology offers three major programs and one honours program:

1. A major in Sociology
2. A major in Anthropology
3. A joint major in Sociology/Anthropology
4. An honours in Sociology/Anthropology

The Department of Sociology and Anthropology offers two minor programs:

1. A minor in Sociology
2. A minor in Anthropology

PREREQUISITE COURSES

Any one of the following sequences will qualify a student for admission into all of the above majors and minors programs and to all 200-400 level courses unless specified otherwise:

Sociology 101 and 102
Sociology 101 and Anthropology 102
Anthropology 101 and 102

NOTE: Introductory courses cannot be taken as electives within any of the programs offered by the Sociology and Anthropology Department. Completion of English 101 is strongly recommended before taking any Sociology or Anthropology courses at the 300 or 400 level.

DEPARTMENT PROGRAMS

The following are the departmental requirements for each program:

REQUIREMENTS FOR A MAJOR IN SOCIOLOGY

- a. Two introductory courses (any of the above sequences)
- b. Four core courses (Sociology 301, Sociology 302, Sociology 331 and Sociology 332)

- c. Eight electives, of which
 - 1. two must be at the 400 level in Sociology or Sociology/Anthropology
 - 2. and three must be at the 300-400 level in Sociology or Sociology/Anthropology
 - 3. the three remaining electives can be at the 200, 300 or 400 level in Sociology or Sociology/Anthropology

REQUIREMENTS FOR A MAJOR IN ANTHROPOLOGY

- a. Two introductory courses (any of the above sequences)
- b. Three core courses (Anthropology 321, Anthropology 332, and Anthropology 361)
- c. Nine electives, of which
 - 1. two must be area courses
 - 2. two must be 400 level courses in Anthropology or Sociology/Anthropology
 - 3. three must be 300-400 level courses in Anthropology or Sociology/Anthropology
 - 4. the remaining two electives can be at the 200, 300 or 400 level in Anthropology or Sociology/Anthropology

REQUIREMENTS FOR A JOINT MAJOR IN SOCIOLOGY/ANTHROPOLOGY

- a. Two introductory courses (any of the above sequences)
- b. Six core courses (Sociology 301, Sociology 302, Sociology 332, Anthropology 332, Anthropology 361, and either Sociology 331 or Anthropology 321)
- c. At least nine electives, of which
 - 1. four must be Sociology/Anthropology courses, including two area courses
 - 2. four must be at the 300-400 level

REQUIREMENTS FOR HONOURS IN SOCIOLOGY/ANTHROPOLOGY

COURSE REQUIREMENTS

For an Honours in Sociology/Anthropology, which is a combined Honours in Sociology and Anthropology, the student will take **fifty-seven** semester hours of courses as listed below:

- a. Six semester hours of introductory courses in any one of the following sequences:
Sociology 101 and 102 (Introduction to Sociology I and II), Sociology 101 and Anthropology 102 (Introduction to Sociology I and Introduction to Anthropology II), or Anthropology 101 and 102 (Introduction to Anthropology I and II).
- b. Twenty-one semester hours of required courses as follows:
 - 1. Sociology 301 (Sociological Theory I), Sociology 302 (Sociological Theory II), Sociology 331 (Methodology and Research I), and Sociology 332 (Methodology and Research II).
 - 2. Anthropology 321 (Field Methods), Anthropology 332 (Social Organization), and Anthropology 361 (Anthropological Theory).
- c. A six semester hour research course: Sociology Anthropology 490 (Honours Research).
- d. Twenty-four semester hours of elective courses, of which
 - 1. two must be area courses, and
 - 2. four must be at the 300-400 level.

To graduate with an Honours degree in Sociology/Anthropology a student requires a total of **42 semester courses (126 semester hours)**.

RESEARCH COMPONENT

The Honours research course (Sociology/Anthropology 490) constitutes the research component of the Honours program. The course involves supervised reading and research on specific topics. The student is required to write a substantial Honours essay or research report, which will be assessed by a three-member committee consisting of the supervisor and at least one additional member of the Department of Sociology and Anthropology.

ADMISSION REQUIREMENTS

Students intending to join the program must apply to the Department of Sociology and Anthropology. Applicants must be registered in, or have completed, the combined Sociology/Anthropology major program. Applications are normally submitted during the sixth semester.

To be eligible to apply for admission to the program, students must have an average of 70% in all prior courses and an average of 75% in all previous Sociology and Anthropology courses taken. To continue in the Honours program, students must maintain an overall average of 70% in all courses and an average of 75% in Sociology and Anthropology courses.

Admission to the program will be competitive, and because the demand for the program will likely exceed the resources available at the department, not all applicants who meet the formal admission requirements will be accepted in the Honours program.

REQUIREMENTS FOR A MINOR IN SOCIOLOGY

- a. *Sociology 101 and 102; or Sociology 101 and Anthropology 102; or Anthropology 101 and 102.
- b. Five additional Sociology or Sociology/Anthropology courses, one must be at the 400 level; two must be at the 300-400 level; and two must be **Sociology** courses at or above the 200 level.

*For Anthropology majors, this requirement is replaced by Sociology 201 and Sociology 242.

NOTE: A minor in Sociology is not available to students with a joint major in Sociology/Anthropology.

REQUIREMENTS FOR A MINOR IN ANTHROPOLOGY

- a. *Anthropology 101 and 102.
- b. Five additional Anthropology or Sociology/Anthropology courses, one must be at the 400 level; two must be at the 300-400 level; and two must be area courses.

*For Sociology majors, this requirement is replaced by Anthropology 201 and Anthropology 202.

NOTE: A minor in Anthropology is not available to students with a joint major in Sociology/Anthropology.

COURSES

The Department offers the following courses in Sociology, Anthropology and Sociology/Anthropology:

Sociology

- 101 Introduction to Sociology I
- 102 Introduction to Sociology II

- 201 Deviance and Control
- 202 Criminology
- 211 Marriage and the Family
- 242 Social Problems
- 282 Social Psychology
- 299 Special Topics
- 301 Sociological Theory I (**core course**)
- 302 Sociological Theory II (**core course**)
- 305 Demography
- 311 Small Groups
- 331 Methodology and Research I (**core course**)
- 332 Methodology and Research II (**core course**)
- 362 Urban Sociology
- 371 Canadian Society
- 372 Collective Behaviour and Social Movements
- 381 Sociological Theory Construction
- 382 Special Topics
- 391 The Organizational Society
- 401 Quantitative Data Analysis for Social Scientists
- 409 Evaluation
- 412 Sociology of Health
- 422 The Sociology of Knowledge
- 452 Social Class and Stratification
- 461 Directed Studies

Anthropology

- 101 Introduction to Anthropology I
- 102 Introduction to Anthropology II
- 201 Cultural Anthropology
- 202 Evolution of Humankind and Culture
- 211 Introduction to Archaeology
- 299 Special Topics
- 310 Identity and Popular Culture
- 321 Field Methods (**core course**)
- 332 Social Organization (**core course**)
- 352 Kinship and Family
- 361 Anthropological Theory (**core course**)
- 382 Understanding Folklore
- 401 Medical Anthropology
- 402 Issues in Contemporary Anthropology
- 431 Directed Studies

Sociology/Anthropology

- 212 Peoples of South Asia (**area course**)
- 222 Native Canadians (**area course**)
- 232 Black Society in the Americas (**area course**)
- 241 Japanese Culture and Society (**area course**)
- 242 Peoples of Oceania (**area course**)
- 251 Peoples of Africa (**area course**)
- 252 Social Gerontology
- 261 Sex, Gender and Society
- 262 Minority and Ethnic Groups in Canada
- 299 Special Topics
- 306 Demography of Aging
- 312 Rural Society
- 331 The Community
- 341 Technology, Society, and the Environment
- 342 Peasant Societies
- 371 Evolution of the Brain and Social Behaviour
- 412 Globalization
- 421 Religion and Society
- 442 Social and Cultural Change
- 456 Visual Anthropology
- 481 Directed Studies in Sociology and Anthropology
- 490 Honours Research

SOCIOLOGY COURSES

101 INTRODUCTION TO SOCIOLOGY I

This course introduces many of the main concepts within the field of sociology such as culture, socialization, norms, social roles, values, deviance, and social structure. In addition, students are taught how to recognize and begin to understand the social relationships and interactions between the individual, social groups, and society, as well as the basic research methods and theoretical perspectives of modern sociology.

Three hours a week

102 INTRODUCTION TO SOCIOLOGY II

This course utilizes the basic concepts and perspectives in sociology to examine critically and to interpret the kinds of interaction experienced in social institutions such as the economy, the polity, the family, education, and religion. Various patterns and processes of modern life are also examined, e.g., patterns of inequality (class, race, ethnic, gender), urbanization, aging, health, population, globalization, social movements, collective behaviour, social change, and complex organizations.

PREREQUISITE: Sociology 101

Three hours a week

NOTE: REGULAR PREREQUISITES: For all courses from Sociology 201 to Sociology 452 (inclusive), prerequisites are Sociology 101-102, or Anthropology 101-102, or Sociology 101- Anthropology 102.

201 DEVIANCE AND CONTROL

An objective analysis of different sociological approaches to the meaning of deviance and to the nature of social control. The causes and consequences of social deviance are critically examined utilizing the following theories: social disorganization, functionalism, anomie and opportunity, value-conflict, interactionism, labelling, and critical conflict. Ideologies associated with each approach are compared. Substantive areas include: crime and delinquency, suicide, drug use, as well as various forms of sexual, occupational, and institutional deviance.

REGULAR PREREQUISITES

Three hours a week

202 CRIMINOLOGY

This course examines the historical and contemporary structure and functions of the Canadian criminal justice system, including legislation, policing, courts, corrections, and parole. Various forms of law breaking are studied such as youth offences, conventional street crime, family violence, white collar and corporate crime, and organized and political crime. Topics include social, cultural, and demographic correlates of crime; patterns of victimization; the role of the community and of society's institutions; and various theoretical explanations used in criminology

REGULAR PREREQUISITES

Three hours a week

211 MARRIAGE AND THE FAMILY

After an introductory treatment of its origins and development, the family is considered in terms of its position in Canadian society. An analysis is made of the social factors affecting modern marriage and leading to the emergence of new family forms, e.g. the single-parent family.

REGULAR PREREQUISITES

Three hours a week

242 SOCIAL PROBLEMS

A sociological approach to the nature and definition of social problems, their causal explanations, and their solutions. A critical comparison of scientific theories, including their underlying ideologies, covers various perspectives: deviant behaviour, social pathology, social and cultural disorganization, value conflict, labelling, and class conflict. Topics are selected from: alcoholism and drug addiction, the criminal justice system, poverty, racism, sexism, sexual variance, familial instability, aging, mental disorder, alienation, political and religious dissent, overpopulation, environmental crisis, underdevelopment, and inter-group conflict. REGULAR PREREQUISITES and Sociology 201 is recommended as preliminary to Sociology 242, but is not required.

Three hours a week

282 SOCIAL PSYCHOLOGY

See Psychology 242.

301 SOCIOLOGICAL THEORY I

This course examines the social and political contexts in which sociology was formally constituted as an academic discipline. It also offers an interpretive analysis of some of the major ideas, systems of explanation, and modes of analysis generated by the early sociologists.

REGULAR PREREQUISITES and at least Third Year standing or permission of the instructor

Three hours a week

302 SOCIOLOGICAL THEORY II

This course offers critical assessments of the varieties, structures, and directions of modern social theories, with major emphasis on their relevance and usefulness for understanding contemporary social systems.

REGULAR PREREQUISITES and Sociology 301

Lectures and seminars: Three hours a week

305 DEMOGRAPHY

This course is an introduction to the study of human population. It exposes students to the essential theory and methods of analysis of populations, while focusing on the major elements of all population systems - composition, distribution, demographic processes, change - and the interrelationships among these elements. Students are introduced to a number of "population problems", and to the role of demographics and of population policy in modern society.

REGULAR PREREQUISITES

Three hours a week

311 SMALL GROUPS

Students combine the use of theory and practical techniques to learn about and to participate in the processes that are unique to small groups. Micro-level theories, such as symbolic interactionism and systems theory, are employed to examine small groups as social systems. In addition, students learn how to apply theory to elementary, everyday relationships among individuals in small groups.

REGULAR PREREQUISITES

Three hours a week

331 METHODOLOGY AND RESEARCH I

An examination and practical experience in current data-gathering techniques including experimental and quasi-experimental designs, surveys and interviewing, the use of available documents, and participant observation. Also covered are large scale sampling techniques, coding and

procedures, composite and simple measures, and panel analysis.

REGULAR PREREQUISITES and Third-year standing in Sociology or Sociology/Anthropology, or permission of the instructor

Three hours a week

332 METHODOLOGY AND RESEARCH II

An introductory course in the sociological inquiry process giving the student a working knowledge of applied techniques in sociological data manipulation and analysis. Topics include measurement of sociological phenomena, association, elaboration of relationships between two or more variables, path and space analysis, and the logic and methods of hypothesis development and testing in sociological research.

REGULAR PREREQUISITES and Sociology 331 or Anthropology 321

Three hours a week

362 URBAN SOCIOLOGY

A critical review of major theoretical and methodological approaches to the study of urban communities. Specific topics include: the nature of urbanization, city growth patterns, urban life styles, suburbia, ethnic and racial urban groups, transportation problems, urban power structures, some world cities, and cities of the future. Emphasis is on Canadian urban development, particularly the role of developers, financial institutions, and government in shaping the nature of Canadian cities and in creating various urban problems.

REGULAR PREREQUISITES

Seminar: Three hours a week

371 CANADIAN SOCIETY

A sociological analysis of the overall structural and dynamic character of contemporary Canadian society. Several macro-level explanatory theories, such as functional and conflict, on the nature of Canadian society provide a framework for an integrated study of the following issues: the Canadian identity, regionalism, various elites, the class structure and class conflict, Quebec's status, Canadian-American relations, and Canadian nationalism.

REGULAR PREREQUISITES

Three hours a week

372 COLLECTIVE BEHAVIOUR AND SOCIAL MOVEMENTS

A sociological analysis of the various forms of collective norm-challenging social action, for example, crowds, mobs, and social movements, their structural sources, their political content and their implications for social change.

REGULAR PREREQUISITES

Seminar: Three hours a week

382 SPECIAL TOPICS

REGULAR PREREQUISITES

391 THE ORGANIZATIONAL SOCIETY

Modern organizations are analyzed from a sociological perspective. The major theories of organization; the prevailing organizational forms; modern bureaucracy. Special attention is paid to the relationship of the organization to the person.

REGULAR PREREQUISITES

Three hours a week

401 QUANTITATIVE DATA ANALYSIS FOR SOCIAL SCIENTISTS

Students engage in sociological inquiry at an intermediate level. Using statistical computer software, such as SPSS

and SAS, as a tool to aid in their inquiries, students learn to code, manipulate, analyse, and interpret data from a variety of data sources. Students carry out data generation, storage, and retrieval, in addition to learning how to use graphic presentations effectively.

Cross-listed with Psychology (cf. Psychology 471)

REGULAR PREREQUISITES

409 EVALUATION

This course is an introduction to the theories, methods and models of evaluation. The major focus of the course is on policy and program evaluation with an emphasis on the purpose, design, data collection/analysis, and application of results of evaluation research. The student gains some practical experience in the field of evaluation.

REGULAR PREREQUISITES and Soc 331, and one of the following: Soc 332, Psy 271, Psy 272, Math 221, Math 312, or Education 481; or permission of the instructor

Three hours a week

412 SOCIOLOGY OF HEALTH

Students adopt a salutogenic (health promotion and illness prevention) approach to examine the relationship between social factors (lifestyle, environment, and organization of the health care system) and health. Health is posited as a multi-dimensional construct. The implications of adopting a mainstream theoretical view of the relationship between social factors and health are investigated, i.e., how adopting a certain theoretical perspective can help to explain further or to hinder our understanding of the effect of social factors on health.

REGULAR PREREQUISITES and two 300-400 level courses in Sociology, Sociology/Anthropology, or Anthropology, or permission of the professor

Three hours a week

422 THE SOCIOLOGY OF KNOWLEDGE

This course examines the relations between knowledge systems and social structure. It analyzes the ways in which all kinds of knowledge in society (both mundane and intellectual, commonsense and technical) originate, develop, and are subsequently distributed and used as the basis of social action. It explores the thesis that the subject matter of human studies - concepts, explanations, ideologies and myths - bear the imprint of the particular prejudices and interests of their creators as products of the social-cultural structure.

REGULAR PREREQUISITES and any two 300-400 level courses in Sociology, Anthropology, or Sociology/Anthropology

Seminar: Three hours a week

452 SOCIAL CLASS AND STRATIFICATION

A study of the historical and contemporary structures of inequality in industrial societies, and a critical examination of the major theoretical and ideological justifications for such inequalities.

REGULAR PREREQUISITES

Seminar: Three hours a week

461 DIRECTED STUDIES

Offered as a seminar in which selected topics are studied in depth and/or as a directed reading course within the specialized area selected by the student in consultation with one or more members of the Department and approved by the Dean.

REGULAR PREREQUISITES and generally restricted to the majors in Sociology at Third and Fourth Year levels.

(See Academic Regulation 9 for Regulations Governing Directed Studies)

ANTHROPOLOGY COURSES

101 INTRODUCTION TO ANTHROPOLOGY I

This course introduces the various subfields of anthropology: physical anthropology, archaeology, linguistics, and cultural anthropology. It includes some examination of human evolution and cultural development.

Three hours a week

102 INTRODUCTION TO ANTHROPOLOGY II

This course, through an examination of cultural practices in various areas of the world, introduces students to the field of cultural anthropology.

PREREQUISITE: None

Three hours a week

201 CULTURAL ANTHROPOLOGY

Methods and theories in cultural anthropology, including a survey and analysis of culture, its uniformities and varieties; comparative study of primitive cultures in terms of family, clan, political organization, economic systems, religion, art, folklore, and social customs; processes of social change.

PREREQUISITE: None

Three hours a week

202 EVOLUTION OF HUMANKIND AND CULTURE

This course is a survey of the origin of humankind and their culture from the earliest times to the end of the stone age; prehistoric humans and their primate ancestors; the development of modern human populations; and principles of evolutionary theory and prehistory of the old world during the stone age.

PREREQUISITE: None

Three hours a week

NOTE: REGULAR PREREQUISITES: For all courses

from Anthropology 211 to Anthropology 382 (inclusive), prerequisites are Sociology 101-102, or Anthropology 101-102, or Sociology 101-Anthropology 102. With the approval of the Chair advanced students may use Anthropology 201 and 202 as prerequisites for further courses in Anthropology.

211 INTRODUCTION TO ARCHAEOLOGY

This course describes how archaeologists discover, reconstruct and interpret cultures of the past. Topics include: the development of archaeology as a discipline; the framework of archaeological enquiry; the techniques of site identification, survey, and excavation; the methods used in artifact analysis; dating methods; and the theoretical approaches underlying the interpretation of archaeological remains.

REGULAR PREREQUISITES or permission of the Chair

Three hours a week

310 IDENTITY AND POPULAR CULTURE

REGULAR PREREQUISITES

See Women's Studies 311

321 FIELD METHODS

This course explores the different research methods used in cultural anthropology. In the evaluation of these methods, the course combines readings with field experience.

REGULAR PREREQUISITES

Seminar: Three hours a week

332 SOCIAL ORGANIZATION

An advanced course on structure and organization in human society from the perspective of social anthropology. The

principal focus is on the principles and theories of social organization in simple as well as complex societies. Emphasis will be placed on cross-cultural comparisons of social structure and social organization.

REGULAR PREREQUISITES and Anthropology 201 is strongly recommended
Three hours a week

352 KINSHIP AND FAMILY

A cross-cultural examination of marriage, family, descent groups and kin-like groups with the fundamental objective of understanding the primary and natural features of human values and organization, and their variations
Cross-listed with Women's Studies (cf. Women's Studies 352)
REGULAR PREREQUISITES

Three hours a week

361 ANTHROPOLOGICAL THEORY

History, construction, and evaluation of anthropological theory; anthropological theory as a response to changing social-cultural conditions.

REGULAR PREREQUISITES

Three hours a week

382 UNDERSTANDING FOLKLORE

The course begins with a survey of the history and approaches to the study of folklore as an aspect of culture with emphasis on Canadian examples. Students then analyze folklore with emphasis on structures and cultural contexts. Study of local data is encouraged.

REGULAR PREREQUISITES or permission of the instructor

Three hours a week

401 MEDICAL ANTHROPOLOGY

This course provides an overview of medical anthropology and its approaches to understanding human illness and healing systems in a cross-cultural context. Students examine theoretical and applied approaches to topics which include: ethno- medical systems; biomedical models; symbolism in the healing process; the interrelationships of gender, class, and race in the cultural construction of illness and well being. The impact of colonialism and globalization, infections and inequalities, as well as cross-cultural conceptualizations of the body, are also considered.

REGULAR PREREQUISITES and Anthropology 361 or any two 300-400 level courses; or permission of the instructor
Three hours a week

402 ISSUES IN CONTEMPORARY ANTHROPOLOGY

This course examines selected issues of an interdisciplinary nature which have contributed to the emergence and development of current interpretative theories in anthropology. Students explore issues relating to the concepts of culture and hybridity; representation and power; colonialism and postcolonialism. Feminist anthropology and recent ethnographies are of central interest as are issues related to modernity, memory, and identity.

REGULAR PREREQUISITES and Anthropology 361 or any two 300-400 level courses; or permission of the instructor.
Three hours a week

431 DIRECTED STUDIES

Offered as a seminar in which topics are studied in depth and/or as a directed reading course within the specialized area selected by the student in consultation with one or more members of the Department and approved by the Dean.

REGULAR PREREQUISITES; Generally restricted to majors in Anthropology at Third and Fourth Year levels. (See Academic Regulation 9 for Regulations Governing Directed Studies)

SOCIOLOGY/ANTHROPOLOGY COURSES

NOTE: REGULAR PREREQUISITES: For all courses from Sociology/Anthropology 212 to Sociology/Anthropology 442 (inclusive), prerequisites are Sociology 101-102, or Anthropology 101-102, or Sociology 101-Anthropology 102.

212 PEOPLES OF SOUTH ASIA

A survey of the peoples of south Asia; an integrated description and analysis of their cultural history and present-day economics, social, political and religious ways of life.

REGULAR PREREQUISITES

Three hours a week

222 NATIVE CANADIANS

A survey of the major cultural areas of the aboriginal North Americans, including a description and analysis in detail of selected cultures, their material culture, social organization and religious systems.

REGULAR PREREQUISITES

Three hours a week

232 BLACK SOCIETY IN THE AMERICAS

This course introduces the social history and culture of Black society in the Americas, with special emphasis on the U.S.A., Canada, and the Caribbean. The course explores the macro-processes and social relations which have shaped Black society since it was first established in the Americas, and which continue to influence its current position, mould its culture, and define its politics in this hemisphere.

REGULAR PREREQUISITES

Three hours a week

241 JAPANESE CULTURE AND SOCIETY

This course examines the major features and dynamics of Japanese civilization. Following a survey of influences which have shaped Japanese society, more detailed attention will be given to the topics of economic development, religion and philosophy, the family and other social systems, race and gender relations, and international relations. Special attention is given to the theme of Japanese uniqueness.

REGULAR PREREQUISITES

Three hours a week

242 PEOPLES OF OCEANIA

This course provides an introduction to the peoples and the complex cultures of the Pacific Islands (Oceania) in the areas known as Melanesia, Polynesia and Micronesia. Topics include gender, social stratification, leadership and exchange, conflict and war, ritual and symbolism as well as the relationship between tradition and modernity. The course examines the past and the present and the ways in which contact, colonization, the introduction of Christianity, and the cash economy shaped and continue to shape life in the Island Pacific.

REGULAR PREREQUISITES

Three hours a week

251 PEOPLES OF AFRICA

A survey of the principal cultures of sub-Saharan Africa with an emphasis on social and cultural change as a result of colonialism, urbanization and nationalization.

REGULAR PREREQUISITES

Seminar: Three hours a week

252 SOCIAL GERONTOLOGY

This is an introduction to the study of aging which provides an overview of the field of social gerontology, the variation of individual aging within societies and the social structures of aging. Special emphasis will be given to social gerontology in the context of the Maritime Provinces.

REGULAR PREREQUISITES or permission of the instructor

Three hours a week

261 SEX, GENDER AND SOCIETY

This course examines gender (the social concept of masculinity and femininity) and compares it to current views about sex (the biological distinction of female and male). Several sociological and/or anthropological issues are examined, such as the biological bases and evolutionary development of sexual differences; abortion; homosexuality; sexual violence; and affirmative action. Cross-cultural information is introduced throughout the course.

Cross-listed with Women's Studies (cf. Women's Studies 261)

REGULAR PREREQUISITES

262 MINORITY AND ETHNIC GROUPS IN CANADA

An analysis of minority and ethnic groups within Canadian pluralism from a comparative and theoretical perspective. Emphasis is on French-Canadians, Indians, Inuit, Blacks, Hutterites, selected other immigrant groups, and the status of women in Canadian society.

REGULAR PREREQUISITES

Three hours a week

306 DEMOGRAPHY OF AGING

Students examine the relationship between demographic forces and our aging population. Considered are the effects of: migration on forming an aged ethnic population, social policies as related to the economics and health of an aged population, mortality levels as related to aging as a women's issue, and baby boom and echo fertility levels. Demographic theories will be used to understand better these and other demographic forces.

REGULAR PREREQUISITES

Three hours a week

312 RURAL SOCIETY

A basic course in the sociology of rural life, with the social system concept as a theoretical framework; emphasis on Canadian rural society and comparison with the rural societies of other countries. The implications of social structure and function for action programs directed to development of rural societies and welfare of rural people.

REGULAR PREREQUISITES

Three hours a week

331 THE COMMUNITY

An analysis of the modern community in the light of early and contemporary theory. Several models of community are considered and the significance of these for the individual and the total society is explored.

REGULAR PREREQUISITES

Three hours a week

341 TECHNOLOGY, SOCIETY AND THE ENVIRONMENT

This course explores the interaction between technology, science, society, and the environment in the past and present, and examines the potential implications of such interaction in the future.

REGULAR PREREQUISITES

Seminar: Three hours a week

371 EVOLUTION OF THE BRAIN AND SOCIAL BEHAVIOUR

This course examines the evolutionary factors underlying human behaviour as well as the behaviour of other species. It examines case materials in order to evaluate the existing theories concerning the development of behaviour from the proto-human period to the present.

REGULAR PREREQUISITES

Seminar: Three hours a week

412 GLOBALIZATION

Students in this course study globalization as an ongoing, dynamic process as it affects societies, cultures, environments, communities, organizations, groups, and individuals. Debates over these effects are addressed by various theoretical perspectives, including structural-functionalism, conflict analysis, interactionism, cultural studies, and postmodernism. Issues include technological advances, free-market capitalism, cultural homogenization, national policies and programs, international relations, global institutions and organizations, social inequality, demographic trends, asocial problems, social conflicts, and opposition to globalization.

REGULAR PREREQUISITES and any two 300-400 level courses in Sociology, Anthropology, or Sociology/Anthropology

Seminar: Three hours a week

421 RELIGION AND SOCIETY

This course examines religion as an institution in society. The principal functions of religion both for the person and for the whole society are explored; and the major processes and changes in modern religion are examined.

Cross-listed with Religious Studies (cf. Religious Studies 351)

REGULAR PREREQUISITES

Three hours a week

442 SOCIAL AND CULTURAL CHANGE

Introduction to the study of various processes and theories of social and cultural change including innovation, acculturation and directed social change.

REGULAR PREREQUISITES

Three hours a week

456 VISUAL ANTHROPOLOGY

This course addresses in a critical manner the importance of visual representation in Western thought. Topics include: analysis of stereotypes of non-Western people as portrayed in print and information media, advertising, ethnographic documentary production, and the entertainment industry. Students will also examine the export of Western visual culture to non-Western cultures.

REGULAR PREREQUISITES and any three 300-400 level courses in Sociology, Anthropology, or Sociology/Anthropology

Three hours a week

481 DIRECTED STUDIES IN SOCIOLOGY AND ANTHROPOLOGY

This inter-disciplinary course is offered for advanced students as a seminar in which selected topics are studied in depth and/or as a directed reading course within a specialized area selected by the student in consultation with one or more members of the Department and approved by the Dean.

REGULAR PREREQUISITES

(See Academic Regulation 9 for Regulations Governing Directed Studies)

490 HONOURS RESEARCH

The course involves supervised reading and research on specific topics. The student is required to write a substantial honours essay or research report which is assessed by a three-member committee consisting of the supervisor and at least on additional member of the Department of Sociology and Anthropology.

Six semester hours of credit

Theatre Studies

Co-ordinator

Ron Irving, Adjunct Professor of English

Co-ordinating Committee

David F. Buck, Classics

George Belliveau, Education

Greg Doran, English

Geoffrey Lindsay, English

Brent MacLaine, English

Shannon Murray, English

Terry Pratt, Professor Emeritus of English

Lothar Zimmermann, Modern Languages

Andrew Zinck, Music

Unlike most forms of literature, drama has usually been written for performance. The performing of drama is a major art form in the history of civilization, forming a significant link between literature and community. Prince Edward Island enjoys an extraordinary level of theatre activity for a community of its size. UPEI's Minor in Theatre Studies exists to give students, with an aptitude for theatre, a deeper perspective on this vital activity.

REQUIREMENTS FOR A MINOR IN THEATRE STUDIES

A Minor in Theatre Studies consists of twenty-one (21) semester hours of credit taken from the list of approved courses. English 195, and Theatre 231, 232, 242 are compulsory for the Minor. Prospective students should note, however, that Theatre 242 depends upon the availability of a suitable placement with a theatre company. This placement should take place in the latter part of the student's course of study in the Theatre Minor program and in consultation with the Co-ordinator. In addition, students must select three elective courses. Students using any of the approved courses to complete the Minor in Theatre Studies may not also use them to complete a Major.

THEATRE STUDIES CORE COURSES

English 195 INTRODUCTION TO DRAMA

See English 195

Theatre 231 INTRODUCTION TO THEATRE—PART I

This introductory course combines theatre history and dramatic literature from the Greeks to Shakespeare with units in speech, basic acting technique and director's analysis to develop the interpretive and performance skills of students and to generate an appreciation of the long tradition of the theatre. Using representative pieces of dramatic literature from the historical periods covered in the course, lecture and workshop sessions explore various aspects of play presentation.

Cross-listed with English (cf. English 231)

Three hours a week

Theatre 232 INTRODUCTION TO THEATRE—PART II

This course has the same objectives as Theatre 231 except that the theatre history and dramatic literature are drawn from the Classic French period to the nineteenth and twentieth centuries.

Cross-listed with English (cf. English 232)

Three hours a week

Theatre 242 THEATRE PRACTICUM

In this course a supervised placement is arranged with a professional or semi-professional theatre company on Prince Edward Island, for the duration of one production. The student is placed in a position appropriate to interest and experience, and is graded on a pass or fail basis by the Co-ordinator of the Minor in Theatre Studies in consultation with the supervising theatre professional. Minimum requirements include an essay on an approved topic, a journal in which a pre-approved reading list combined with experience in the field leads to significant analysis and reflection, and an oral examination.

PREREQUISITE: Approval of the Co-ordinator in Theatre Studies

Three hours of credit

ELECTIVES

NOTE: Students who are in the Majors or Honours English programs must take at least one elective outside the English Department.

English 255	Introduction to Shakespeare
English 303	Contemporary Drama
English 341	Modern Drama
English 355	Shakespeare's Comedies and Histories
English 357	Renaissance Drama
English 367	Restoration and Eighteenth-Century Drama
English 455	Advanced Studies in Shakespeare
Classics 212	Ancient Tragedy
Classics 222	Ancient Comedy
Family Science 302	Survey of Historic Clothing

Modern Languages (French)

344	XVIIe Siecle: Le Grand Siecle II
412	Theatre: XIXe et XXe Siecle

Modern Languages (German)

311	Three 19th Century Dramatists
312	Modern German Drama

Music

203	Music for Film and Stage
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DIRECTED STUDIES

With the approval of the Co-ordinator, the Dean of Arts, and the relevant Department, a student may credit three hours of Directed Studies in any subject towards the Minor in Theatre Studies.

University 100

Co-ordinator

Lesley-Anne Bourne
Vickie A. Johnston, Lecturer
Mark Barrett, Sessional Lecturer

UNIVERSITY 100

University 100 is a course for First Year students. It provides an introduction to the university, to university studies, to the varieties and methods of intellectual inquiry, and an opportunity to develop communications and research skills.

NATURE AND GOALS OF THE COURSE

University 100 is a six semester-hour course restricted to students in their first year of university studies. The course is taught in sections of no more than 25 students in order to permit individual attention. Various teaching techniques are used, including lectures, discussions, individual research, film and video tapes, and frequent written exercises. Various occupational and personality inventories are employed to assist students in forming career plans and developing self-awareness. Specifically, the course has the following goals:

1. To develop oral and written communication skills;
2. To develop study and research skills;
3. To introduce effective critical thinking and argumentation;
4. To introduce the varieties of knowledge and methods of inquiry;
5. To encourage the development of self-knowledge and self-discovery;
6. To develop an awareness of the university both past and present.

Generally, the course seeks to afford entering students the opportunity to obtain the maximum benefits from university education by developing both practical studentship skills and a broad perspective which will help them to realize their potentials.

UNIVERSITY 103

University 103 is a three semester-hour course for First Year students. A condensed version of University 100, it provides an introduction to the University, to university studies, to the variety and methods of intellectual inquiry, and to academic and career opportunities, and an opportunity to develop communication, research, and study skills. Interactive teaching and learning are stressed.

Three hours a week

NOTE: Students may receive credit for **only one of:** University 100 and 103.

University Writing Minor

Co-ordinator

Wendy Shilton, English

Coordinating Committee

Members of the University Writing Council
Representatives of Departments with Writing-Intensive Courses

The University Writing Minor is a cross-disciplinary program designed to give special emphasis to writing throughout a student's education. In this age of information and knowledge-based economies, the Writing Minor will help prepare students to be effective communicators, active participants in civic and cultural life. The Minor has four primary goals: first, to enhance learning through writing across the disciplines; second, to ensure continuous development of student writing throughout the educational experience; third, to promote awareness of the rhetorical function of language across the disciplines; fourth, to provide students with a means of indicating a writing emphasis in their education for purposes of graduate school and future employment.

REQUIREMENTS FOR A MINOR

A Minor in University writing consists of twenty-one semester hours of credit taken from the list of approved Writing Intensive (WI) courses.* Nine semester hours (three WI courses) are compulsory for the Minor: English 381, English 402 and the core course, Writing 404. The remaining twelve semester hours are fulfilled by taking four WI elective courses - after the prerequisite courses, English 101 and the second English course as specified in Academic Regulation 1(g), have been taken.

A maximum of 3 semester hours from the major subject may be credited towards the Minor, but only if at least three semester hours of credit in the major subject additional to those required for the Major are taken.

WI elective courses are designated by the Coordinating Committee and published before the registration period begins for each semester. Students are strongly encouraged to consult the Co-ordinator before registering.

Electives must be in at least two disciplines.

COMPULSORY WRITING MINOR COURSES

English 381	Professional Writing
English 402	Linguistics II: The Grammar and Vocabulary of English
Writing 404	Communication and Rhetoric in Context

WRITING MINOR ELECTIVES

Course offerings are determined on a semester-by-semester basis. See current offerings consult the UPEI web pages, or communicate directly with the Co-ordinator.

* WRITING-INTENSIVE COURSES

Writing-intensive (WI) courses at UPEI use writing as a major means of developing thinking and learning in the disciplines. Such courses integrate a significant amount of writing (and opportunities for revision) into the work of the

course, providing a variety of formal and informal occasions for students to write and learn the goals, assumptions and key concepts of a course.

Formal writing opportunities allow students to learn the formats characteristic of a discipline, such as a research report, a critical essay, an essay examination, or a laboratory report. Formal writing is used primarily as a means for demonstrating learning outcomes.

Informal writing opportunities allow students to use writing as an instrument of learning through write-to-learn strategies, such as journals, letters, logs, lists, questions, short in-class responses to readings, lectures, and discussion. Informal writing enhances the quality and depth of the learning process.

Although no definitive quantity of writing can be stipulated for a WI course because of disciplinary differences, writing opportunities, both formal and informal, should account for a minimum of 50% of the grade weight. In addition, apart from informal writing and examinations, at least 10–15 pages of writing should be assigned (e.g., reports and essays); and, on at least one occasion, students should be allowed opportunities for revision, with critical comments on drafts, before a final grade is awarded.

404 COMMUNICATION AND RHETORIC IN CONTEXT

This course examines rhetorical effects in language in a variety of contexts. It offers a comprehensive examination of the history of rhetoric, how words are used to talk about other words, questions about truth, and the connections between persuasion and power. The goal of the course is to explore a rhetorical understanding of language and other communicative practices in context.

PREREQUISITE(S): English 101 and any course that satisfies the second English requirement for graduation
Three hours a week

Women's Studies

www.upei.ca/womenstudies/

Co-ordinator

Ann Braithwaite, Women's Studies

Coordinating Committee

Susan Brown, History
Doreley Coll, Modern Languages
Pamela Courtenay-Hall, Philosophy
Jane Magrath, English
Jean Mitchell, Sociology/Anthropology
Sharon Myers, History
Fiona Papps, Psychology
Jim Sentence, Economics
Henry Srebrnik, Political Studies
Joe Velaidum, Religious Studies
Lori Weeks, Family and Nutritional Sciences

Women's Studies is an interdisciplinary program that explores scholarship and theories about gender and other social identities. Through core and cross-listed courses students examine identity as a category of analysis, investigate the construction of social differences, and explore the impact that these considerations have on knowledge production. Women's Studies involve the critical examination of feminist theories and research, the posing of new questions, and the expansion of human knowledge.

REQUIREMENTS FOR A MINOR IN WOMEN'S STUDIES

A minor in Women's Studies will be recognized when a student has successfully completed twenty-one semester hours of courses in Women's Studies, including 101, 302, and 403.

WOMEN'S STUDIES CORE COURSES

101 (formerly 201) INTRODUCTION TO WOMEN'S STUDIES

This course provides an interdisciplinary and multicultural introduction to some of the major concepts, perspectives, issues, and debates in Women's Studies. It focuses on such themes as the difference between sex and gender, the personal as political, equality, differences between and among women, third-wave feminism, and feminist perspectives on the relationship between individuals and social institutions.
Three hours a week

205 SEX AND CULTURE

This course examines theories of sex and sexuality, and investigates how they are central to the construction and function of contemporary North American culture. It explores how boundaries between 'approved of' and 'disapproved of' sexual behaviours reflect larger social and cultural concerns, and challenges students to think beyond the more usual either/or ways of identifying sexuality. Topics covered include the social construction of heterosexuality, changing definitions of lesbian/gay/bisexual, challenges posed by intersexed and transgendered people, sex work, sado/masochism, pornography, monogamy, intergenerational sex, internet and 'cybersex,' and the 'feminist sex wars.'

PREREQUISITE: None
Three hours a week

206 BAD GIRLS AND TRANSGRESSIVE WOMEN

This course introduces students to the multiple and varied ways of conceptualizing the idea of 'transgression,' exploring what kinds of events, people, and objects are thought to constitute social, political, and cultural transgressions at various times and places. It examines how ideas about transgression have been differently defined for different groups of people, asking how gender, sexuality, race, class, age, and abilities have been central to social definitions of--and anxieties about--transgressions. It also focuses on how people have used ideas about transgression to productively push against the limits of their own social positions. Examples of types of transgressions explored include gender bending, body-building, fat liberation, and 'passing' of all kinds.

PREREQUISITE: None
Three hours a week

211 SELECTED TOPICS IN WOMEN'S STUDIES

This combined lecture-seminar course on a selected topic in Women's Studies varies from semester to semester depending on the faculty member teaching the course.

NOTE: This course may be repeated up to four times, as long as there is a different topic each time.

PREREQUISITE: None
Three hours a week

302 WOMEN AND THE POLITICS OF DIFFERENCE

This course examines some of the differences between and among women, exploring how claims to various identities and politics have transformed Women's Studies. It analyzes

essentialist assumptions about identity categories such as race, sex, gender, and sexuality, and examines their social construction and contemporary interconnections at the institutional level.

PREREQUISITE: Women's Studies 101

Three hours a week

311 IDENTITY AND POPULAR CULTURE

This course examines women's multiple and varied relationships to contemporary pop culture. It focuses on representations of women and discusses their roles as producers and scriptwriters, readers and spectators, and active fans and media activists. It looks at various ways of thinking about these relationships, asking what is meant by 'pop culture', and exploring it as a site of struggle and negotiation. Course materials are drawn from advertising, popular events and trends, news items, film, TV, fan culture, zines, pornography, and the new communications technologies.

Cross-listed as English 314 and Anthropology 310

PREREQUISITE: None

Three hours a week

403 FEMINIST THEORIES

This course explores a variety of feminist theoretical approaches, focusing especially on Anglo-American second- and third-wave feminisms. It provides comparative and critical analyses of how a number of different feminist theories have attempted to understand and explain gender divisions within society, examining the differences between, for example, liberal, radical, cultural, lesbian, psychoanalytic, Marxist, socialist, postmodern, third-wave, and post-feminist approaches.

PREREQUISITE: Women's Studies 101 and 302, or permission of the instructor

Three hours a week

412 FEMINISM AND THE BODY

This course introduces students to a range of feminist theoretical and cultural accounts of the body. It explores a variety of representations and definitions of the body. Through a variety of interdisciplinary readings and materials, it investigates the centrality of definitions of the body to understandings of the self, identity, and embodiment. It also examines how different perceptions of the body have been central to conceptualizations of sex, gender, race, and sexuality, and looks at some of the social and political consequences of these different perceptions.

PREREQUISITE: None

Three hours a week

491-492 DIRECTED STUDIES

These advanced courses for qualified students (see Academic Regulation 9) provide for supervised independent or group study of specialized topics in Women's Studies. The topics offered must be approved by the Co-ordinator of Women's Studies and the Dean of the Faculty.

PREREQUISITE: At least three Women's Studies courses or approval of the instructor

Three hours a week

CROSS-LISTED COURSES

From time to time, as courses are added, dropped or modified in the participating department, it becomes necessary to revise the list of discipline based cross-listed courses.

Anthropology 352

Kinship & Family

(Cross-listed as Women's Studies 352)

Economics 381

Women, Economics, and the Economy

(Cross-listed as Women's Studies 381)

English 221

Writing by Women

(Cross-listed as Women's Studies 221)

English 333

L.M. Montgomery

(Cross-listed as Women's Studies 333)

Family Science 302

Survey of Historic Clothing

(Cross-listed as Women's Studies 322)

Family Science 402

Social-Psychological Aspects of Clothing

(Cross-listed as Women's Studies 422)

Family Science 451

Older Women's Experiences of Family Life

(Cross-listed as Women's Studies 451)

History 385

Women in 19th Century Canada

(Cross-listed as Women's Studies 385)

History 386

Women in 20th Century Canada

(Cross-listed as Women's Studies 386)

History 453

Gender in European History: The Renaissance to the Present

(Cross-listed as Women's Studies 453)

Philosophy 243

Introduction to Feminist Ethics

(Cross-listed as Women's Studies 243)

Philosophy 343

Topics in Feminist Philosophy

(Cross-listed as Women's Studies 343)

Political Studies 451

Contending Approaches in Comparative Politics

(Cross-listed as Women's Studies 461)

Psychology 391

Psychology of Women

(Cross-listed as Women's Studies 391)

Psychology 392

Men's Experience

(Cross-listed as Women's Studies 392)

Psychology 435

Gender and Sexuality

(Cross-listed as Women's Studies 435)

Religious Studies 103

Myths of Love, Sex, and Marriage

(Cross-listed as Women's Studies 103)

Religious Studies 321

Women in Eastern Religions
(Cross-listed as Women's Studies 321)

Sociology/Anthropology 261

Sex, Gender & Society
(Cross-listed as Women's Studies 261)

Spanish 405

The Legacy of the Spanish Mystic
(Cross-listed as Women's Studies 405)

NOTE: Directed Studies and summer school courses given by various departments may be considered as electives for a minor in Women's Studies. Students wishing to count such courses towards a minor in Women's Studies must receive the approval of the Co-ordinator of Women's Studies before registering for them

Veterinary Medicine

www.upei.ca/avc/

ACADEMIC REQUIREMENTS—DVM

REGULATIONS

Course Load and Course Prerequisites

Except in rare circumstances, each student will take a full course load each year. Students must pass prerequisite courses prior to enrolling in courses which require a listed prerequisite.

Materials in Exams

No materials of any kind, other than pencils and pens, may be brought into an examination room without explicit permission of the course Co-ordinator.

Pass-Fail Option

The pass-fail option for courses (Academic Regulation 10c) will apply in the DVM Program only in certain specified courses at the recommendation of the course Co-ordinator and upon approval of the AVC Curriculum Committee and AVC Dean's Council.

Challenge for Credit by Examination

Challenge for credit by examination is normally not permitted in the DVM Program. Students who are able to demonstrate to the satisfaction of the relevant chair that they have previously taken an **equivalent course at the Atlantic Veterinary College**, may challenge for credit by examination as outlined in Academic Regulation 15.

Advancement and Probation

Years 1 - 3

In order to advance to the next semester a student must:

1. achieve a grade of at least 50% in all courses taken for credit, regardless of the total number of credits taken. In any multicomponent course a passing grade will be assigned only if each component identified by the course Co-ordinator (e.g., laboratory and didactic sections) has been successfully completed.
2. achieve a weighted average of at least 65%. However, a student with a weighted average of at least 55% but under 65% in first semester of year 1, and at least 60% but under 65% in all other semesters, will be placed on academic probation and allowed to advance. The following criteria will apply to a

student on academic probation:

- a. the student will be permitted only one probationary period (up to a maximum duration of 2 semesters) in the DVM program.
- b. failure to achieve a weighted average of at least 65% by the end of the probationary period will result in a recommendation for academic dismissal.
- c. return to a weighted average of under 65% after coming off probation will result in a recommendation for academic dismissal.
- d. except with permission of the Dean, or designate, a student cannot advance to the fourth year without a weighted average of at least 65%.

Year 4

In Year 4 a student must:

1. achieve a grade of at least 50% in all courses taken for credit, regardless of the total number of credits taken. In any multicomponent course, a passing grade will be assigned only if each component identified by the course Co-ordinator (e.g., patient management and knowledge base sections) has been successfully completed.
2. achieve a weighted average of at least 65%.

Academic Dismissal

1. The following are grounds for academic dismissal:

- a. failure to achieve a grade of 50% in any course taken for credit.
- b. failure to achieve a weighted average of: (i) at least 55% in semester 1 of first year. and (ii) at least 60% in any semester (other than semester 1 of first year) in years 1-3.
- c. failure to attain a weighted year average of at least 65% in year 4.
- d. failure to achieve a weighted average of at least 65% by the end of a probationary period in years 1-3, or return to a weighted average of under 65% after coming off probation in years 1-3.

2. Dismissed students may petition the Dean for readmission to the program. Dismissed students who are successful in their petition for readmission will:

- a. normally be required to complete all courses in the semester in question if dismissed for failing one or more courses.
- b. normally be required to repeat all courses in the academic year in question if dismissed for failing to attain a weighted average of at least 60% in years 1-3 or at least 65% in year 4.
- c. normally be required to reenter the program at the beginning of the academic year in which they were first placed on probation if dismissed for failing to achieve the required weighted average of at least 65% at

the end of a two semester probationary period.

SUPPLEMENTALS

With the exclusion of certain specified courses (see list below), a student who fails a course in years 1 - 3 of the DVM program may be granted a supplemental at the discretion of the course Co-ordinator, with agreement of the Year Co-ordinators Committee, and with approval of the Dean or designate, and only if the following criteria are met:

1. a student will be granted only two (2) supplemental privileges in the DVM program.
2. to be eligible for a supplemental privilege the overall course grade must be at least 40%.
3. the maximum grade attainable in any course in which a supplemental examination is written shall be 50%.

The scope of the supplemental exam is at the discretion of the course Co-ordinator and will be communicated to the student in advance. In order to pass the supplemental exam, the student must achieve a grade of at least 60% in that exam.

A student who fails a course, and is granted a supplemental privilege, will normally be required to write the supplemental before being permitted to continue with further courses in the DVM program.

Supplemental examinations are not offered in the following courses:

- a. **Clinical rotations in Year 4.** Normally, a student failing a rotation in Year 4, will be required to successfully repeat the failed rotation. The grade attained in the repeated rotation will be recorded on the student's transcript.
- b. VCA 340 Surgical Exercises in Companion Animals
VHM 122 Clinical Orientation
VHM 341 Large Animal Surgery I
VHM 342 Large Animal Surgery II

CLASS ATTENDANCE POLICY (First to Third Year) Lectures and laboratories

1. Attendance in lectures and laboratories is a student obligation and an un-excused absence is not recognized as a student privilege by the Atlantic Veterinary College. In any course, or course component, attendance may be made mandatory at the instructor's discretion. Instructors must inform students at the beginning of a course, or course component, of student attendance requirements for successful completion of the course, and of penalties for not meeting those requirements. In the case of repeated absences from classes, the instructor may request from the appropriate Chair and Dean that the student be withdrawn from the course and assigned a grade of F.
2. When possible, a request to be excused from lectures or laboratories should be made in person to the instructor prior to the anticipated absence. The instructor has ultimate authority for ruling on requests for absences. In emergency situations, the Associate Dean of Academic Affairs may be contacted to assist the student with arrangements for making up missed classes. It is unreasonable for students to expect individual instruction if they have not availed themselves of group activities.

Examinations

1. Students are expected to write examinations at the scheduled examination times. Students unable to write a scheduled term examination due to unavoidable circumstances (e.g., illness, compassionate reasons) should contact the course Co-ordinator directly to request deferral of the examination. In emergency situations, the Associate Dean of Academic Affairs may be contacted to intervene on behalf of the student.
2. In the case of missed final examinations academic regulations 13b (Special Examinations and missed Final Examinations), and 10e (Incomplete Courses) in the UPEI calendar apply.
3. In all cases of missed examinations course Co-ordinators should complete the form "*Record of Missed Examinations and Senior Rotations*" and forward a copy to the office of the Associate Dean of Academic Affairs so that a central record may kept of all absences.
4. In the case of illness, a doctors' certificate may be required at the discretion of the course Co-ordinator or Associate Dean of Academic Affairs.

FOURTH YEAR ROTATIONS

1. Attendance in Fourth Year Rotations is mandatory. In total, six personal days are allowed during the fourth year. Examples of personal days include, but are not limited to: job interviews, personal or family illness, attendance at conferences, etc.
2. All absences require permission of the rotation Co-ordinator and duty clinician.
3. In all cases of missed rotation days, course Co-ordinators should complete the form "*Record of Missed Examinations and Senior Rotations*" and forward a copy to the office of the Associate Dean of Academic Affairs so that a central record may be kept.
4. Make-up is normally not required for absences comprising 15% of the rotation duration. The Associate Dean of Academic Affairs will notify rotation Co-ordinators of total absences in excess of the six personal days and coordinate make-up.

IMMUNIZATION

The Atlantic Veterinary College has a mandatory rabies vaccination policy which requires that all students be vaccinated or sign a waiver declining vaccination. The Rabies vaccination program is administered by the UPEI Health Centre on behalf of the Atlantic Veterinary College. The Atlantic Veterinary College shares the cost of the Rabies vaccination program with its students.

COURSE SUPPLIES

Students requiring course materials or supplies over and above what is normally provided by the Atlantic Veterinary College may be responsible for the additional costs that are incurred.

ANIMAL USE

The humane use of animals in teaching is a normal part of the Atlantic Veterinary College (AVC) curriculum and a necessary component of the veterinary medical education. Examples of such uses include, but are not limited to, dissection of cadavers in Macroscopic Anatomy; post-mortem examination of animals in the Diagnostic Laboratory; handling, restraint, and physical examination of animals in Clinical Orientation;

and performing surgery and invasive diagnostic procedures in Medical and Surgical Exercises laboratories. All teaching animal use at the Atlantic Veterinary College is approved by the UPEI Animal Care Committee and conforms to the principles and guidelines of the Canadian Council on Animal Care (CCAC).

DOCTOR OF VETERINARY MEDICINE PROGRAM

First Year Semester 1

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 101	Macroscopic Anatomy I	2	5	4
VBS 111	Microscopic Anatomy I	1	2	2
VBS 121	Physiology I	2	0	2
VBS 131	Animal Behavior and Animal Welfare	1	2	2
VBS 141	Integration of Structure and Function I	0	5	2
VHM 101	Introduction to Veterinary Medicine	2	0	2
VHM 111	Animal Production Systems	2	3	3
VPM 111	Immunology	2	1	2
		12	18	19

Semester 2

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 102	Macroscopic Anatomy II	2	5	4
VBS 112	Microscopic Anatomy II	1.4	1.7	3
VBS 122	Physiology II	2	0	2
VBS 142	Integration of Structure and Function II	0	3	1
VHM 112	Principles of Veterinary Epidemiology	2	1	2
VHM 122	Clinical Orientation	1	3	2
VPM 122	Parasitology	2	2	3
VPM 152	General Pathology	2	2	3
		12.4	17.7	20

Second Year Semester 3

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 241	Veterinary Pharmacology & Toxicology I	3	2	4
VHM 231	Veterinary Public Health	2	1	2
VHM 241	Principles of Health Management	1	1	1
VPM 201	Bacteriology and Mycology	3	4	5
VPM 211	Virology	2	2	3
VPM 221	Systemic Pathology I	2	2	3
		13	12	18

Semester 4

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 242	Veterinary Pharmacology and Toxicology II	2	1	2
VCA 212	Principles of Medicine	2	0	2
VCA 242	Principles of Anaesthesiology and Surgery	3	2	4
VCA 252	Principles of Diagnostic Imaging	1	1	1

VHM 222	Principles of Theriogenology	2	0	2
VPM 222	Systemic Pathology II	2	2	3
VPM 242	Clinical Pathology	2	2	3
VPM 262	Aquaculture and Fish Health	2	2	3
		16	10	20

Third Year Semester 5

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 351	Exotic Mammal Medicine	1		1
VCA 311	Thoracic Diseases of Small Animals	2	0	2
VCA 321	Musculoskeletal Diseases of Small Animals	2	0	2
VCA 331	Neurologic and Ophthalmologic Diseases of Small Animals	2	0	2
VCA 340	Surgical Exercises in Companion Animals	0	2	0
VCA 341	Diagnostic Radiology Laboratory	0	1	0
VCA 342	Medical Exercises in Companion Animals	0	1	0
VHM 321	Theriogenology	2	2	3
VHM 331	Large Animal Medicine I	2	1	2
VHM 341	Large Animal Surgery I	2	2	3
VHM 371	Health Management of Swine	2	1	2
		15	10	17

Semester 6

Course		Weekly Contact		
		Lecture	Lab	Credit
VBS 312	Clinical Pharmacology and Toxicology	1	1	1
VBS 352	Avian and Reptile Medicine	1		1
VCA 312	Gastrointestinal, Hepatic, and Dental Diseases of Small Animals	2	0	2
VCA 322	Endocrine and Dermatologic Diseases of Small Animals	2	0	2
VCA 332	Renal, Genitourinary, Immunologic and Hemolymphatic Diseases of Small Animals	2	0	2
VCA 340	Surgical Exercises in Companion Animals	0	2	2
VCA 341	Diagnostic Radiology Laboratory	0	1	1
VCA 342	Medical Exercises in Companion Animals	0	1	1
VHM 332	Large Animal Medicine II	2	1	2
VHM 342	Large Animal Surgery II	2	2	3
VHM 372	Health Management of Dairy Cattle	2	1	2
VHM 382	Health Management of Beef Cattle, Horses and Small Ruminants	2	1	2
		16	10	21

Fourth Year

The Fourth Year of the DVM program consists of at least 32 semester hours of credit comprising one 2 semester-hour didactic course (VHM 411) and elective clinical rotations contributing at least 30 semester hours of credit.

Semester 7 or 8**Didactic Courses**

		Weekly Contact		
		Lecture	Lab	Credit
VHM 411	Clinical Conference	0	2	2

FOURTH-YEAR ROTATIONS

Fourth Year rotations must consist of at least 30 semester hours of credit selected from among approved 1-3 credit-hour elective rotations. Fourth year rotations require a minimum time commitment of 28 hours per week of each student, and emergency and out-of-hours duties may be required. Normally, one week of fourth year rotation experience equates to one semester hour of credit.

Students must take a minimum of 10 credit-hours in internal rotations involving primary patient care* and must earn at least 24 of the 30 senior year credit-hours by enrolling in rotations offered within the AVC. Students may enrol in a maximum of 6 credit-hours in Special Topics courses. Students may enrol in one or more rotations external to the AVC (VPM 410, VHM 490, VCA 490, and/or VPM 490). A maximum of 3 credit-hours will be assigned to an individual experience external to the AVC regardless of its duration. Students enrolled in the minimum 30 senior year rotation credit-hours can spend a maximum of 3 weeks in approved private practice experiences.

Students are required to select rotations from the following list of courses:

VBS 410	Clinics in Pharmacology and Toxicology
VBS 430	Clinics in Companion Animal Behaviour*
VBS 440	Exotic and Laboratory Animal Medicine
VBS 495	Special Topics in Biomedical Sciences
VCA 400	Clinics in Anaesthesiology*
VCA 410	Clinics in Companion Animal Medicine I*
VCA 420	Clinics in Companion Animal Medicine II*
VCA 422	Clinical Nutrition in Companion Animals
VCA 430	Clinics in Companion Animal Surgery I*
VCA 432	Clinics in Companion Animal Surgery II*
VCA 440	Clinics in Radiology I *
VCA 442	Clinics in Radiology II*
VCA 444	Advanced Equine Diagnostics*
VCA 450	Clinics in Large Animal Anaesthesiology and Pain Management*
VCA 460	Clinics in Dermatology*
VCA 470	Issues in Animal Welfare
VCA 480	Clinics in Companion Animal Cardiology
VCA 482	Clinics in Ophthalmology*
VCA 490	External Clinical Experience
VCA 495	Special Topics in Companion Animals
VHM 401	Career and Practice Management
VHM 402	Applied Epidemiology
VHM 403	Short Course in Applied Epidemiology
VHM 404	Aquaculture Health Management I*
VHM 405	Aquaculture Health Management II*
VHM 410	Clinics in Large Animal Medicine and Theriogenology*
VHM 420	Clinics in Theriogenology—General*
VHM 422	Clinics in Theriogenology—Equine*
VHM 431	Clinics in Farm Service—Ruminants and Swine I*
VHM 432	Clinics in Farm Service—Dairy*
VHM 434	Ecosystem Health
VHM 435	Clinics in Ambulatory Services—Equine I*
VHM 436	Clinics in Farm Services—Swine*
VHM 437	Clinics in Ambulatory Services—Equine II*

VHM 438	Ecosystem Health—Case Studies
VHM 440	Clinics in Large Animal Medicine I*
VHM 441	Clinics in Farm Service—Ruminants and Swine II*
VHM 443	Clinics in Farm Service—Feedlot Management*
VHM 445	Clinics in Farm Service—Ruminant Nutrition *
VHM 446	Clinics in Farm Service—Ruminant Mastitis*
VHM 447	Clinics in Farm Service—Ruminant Production Record Analysis*
VHM 448	Clinics in Farm Service—Ruminant Reproduction*
VHM 449	Clinics in Farm Service—Cow/Calf Management*
VHM 450	Clinics in Large Animal Surgery I*
VHM 452	Clinics in Large Animal Surgery II*
VHM 460	Clinics in Large Animal Medicine & Surgery*
VHM 461	Infectious and Production-Limiting Diseases of Ruminants*
VHM 462	Clinics in Equine Medicine & Surgery*
VHM 464	Clinics in Large Animal Medicine II-1*
VHM 465	Clinics in Large Animal Medicine II-2*
VHM 466	Clinics in Large Animal Medicine II-3*
VHM 467	Swine Health Monitoring*
VHM 480	Clinics in Regulatory Medicine
VHM 482	Veterinary Acupuncture*
VHM 490	External Clinical Experience
VHM 492	Advanced Equine Dentistry and Health Care*
VHM 495	Special Topics in Health Management
VPM 410	International Veterinary Medicine
VPM 421	Foreign Animal Diseases
VPM 422	Foreign Animal Diseases with Practicum
VPM 430	Clinical Virology
VPM 450	Diagnostic Services
VPM 452	Clinical and Morphologic Pathology
VPM 460	Morphologic Pathology
VPM 462	Diseases of Poultry*
VPM 470	Clinical Pathology and Microbiology
VPM 472	Wildlife Health*
VPM 482	Aquaculture Diagnostic Services
VPM 490	External Clinical Experience
VPM 495	Special Topics in Pathology and Microbiology

Biomedical Sciences

www.upei.ca/biomedical/

Biomedical Faculty

Amreek Singh, Professor Emeritus
 Luis A. Bate, Professor, Chair
 John F. Burka, Professor
 Catherine B. Chan, Professor
 Alastair E. Cribb, Professor
 William P. Ireland, Professor
 David E. Sims, Professor
 R. Andrew Tasker, Professor
 Glenda M. Wright, Professor
 Susan E. Dohoo, Associate Professor
 Michael Mayne, Associate Professor
 Tarek M. Saleh, Associate Professor
 Sally Walshaw, Associate Professor
 Susan D. Dawson, Assistant Professor
 Cynthia L. Gaskill, Assistant Professor
 Caroline Hewson, Assistant Professor
 Collins Kamunde, Assistant Professor
 Sean Brosnan, Adjunct Professor
 M. Edwin DeMont, Adjunct Professor
 Michele Doucet, Adjunct Professor
 Norma C. Guy, Adjunct Professor

Dianne McFarlane, Adjunct Professor
Gary Patronek, Adjunct Professor
Ken W. Renton, Adjunct Professor
Harold A. Robertson, Adjunct Professor
Neil Ross, Adjunct Professor
Michael Salter, Adjunct Professor
Jack P. Uetrecht, Adjunct Professor

BIOMEDICAL SCIENCES COURSES

VBS 101 MACROSCOPIC ANATOMY I

This course provides a foundation in macroscopic (gross) anatomy, including radiographic anatomy, using the dog as the primary dissection model. Study of mammalian anatomy is followed by investigation of basic vertebrate structure based on fish. In addition to exploring the anatomy of these animals, this course prepares the student for the comparative anatomy studies of the Macroscopic Anatomy II course.
Two hours of lecture and five hours of laboratory per week

VBS 102 MACROSCOPIC ANATOMY II

The course reviews comparative macroscopic and radiologic anatomy of the horse, ruminant, pig, and fowl, with special emphasis on aspects of clinical and physiological significance. A ruminant, horse, and fowl are dissected. Lectures supplement information gained by dissection.
Two hours of lecture and five hours of laboratory per week

VBS 111 MICROSCOPIC ANATOMY I

The course presents the student with an understanding of microscopic organization of basic tissues, blood vessels, lymphoid and respiratory systems of domestic animals.
One hour of lecture and two hours of laboratory per week

VBS 112 MICROSCOPIC ANATOMY II

The course provides the student with an understanding of microscopic organization of various organ systems, embryonic development, and congenital anomalies of domestic animals.
One or Two hours of lecture and two hours of laboratory per week (variable)

VBS 121 PHYSIOLOGY I

This course provides lecture instruction to acquaint students with system, cell and biochemical functions of importance in nervous, musculoskeletal, cardiovascular, and respiratory systems. These are related to major domestic species of importance in veterinary medicine.
Two hours of lecture per week

VBS 122 PHYSIOLOGY II

The course employs lecture instruction to acquaint students with system, cell, and biochemical functions of importance in renal and body fluid, gastrointestinal, endocrine, reproductive and environmental regulatory systems.
Two hours of lecture per week

VBS 131 ANIMAL BEHAVIOUR AND ANIMAL WELFARE

The normal and abnormal behaviour and bionomics of various domestic livestock, companion, and laboratory species are examined in this course. Issues of importance to general welfare of animals in production and research are reviewed.
One hour of lecture and two hours of tutorial or laboratory per week

VBS 141 INTEGRATION OF STRUCTURE AND FUNCTION I

Using problems from small animal veterinary medicine, this course provides students with an opportunity to review and apply basic concepts from macroscopic and microscopic anatomy, and physiology, in an integrated fashion. Students practice the critical reasoning process through analysis of data, development of hypotheses, and their justification.
Five hours per week

VBS 142 INTEGRATION OF STRUCTURE AND FUNCTION II

Using problems from large animal veterinary medicine, this course provides students with an opportunity to review and apply basic concepts from macroscopic and microscopic anatomy, and physiology, in an integrated fashion. The critical reasoning process is further developed and students are increasingly independent in meeting their learning objectives.
PREREQUISITE: VBS 141
Three hours of tutorial per week

VBS 212 PATHOPHYSIOLOGY FOR NURSING STUDENTS

This course is an overview of pathophysiological mechanisms of disease states. Concepts and processes of abnormal physiology in various body systems are presented using selected diseases as illustrations. Unique features of child and adult responses are presented.
PREREQUISITE: Biology 122, Nursing 203 and Nursing 213
Three hours of lecture and three hours of laboratory per week

VBS 241 VETERINARY PHARMACOLOGY AND TOXICOLOGY I

This course provides veterinary students with a basic understanding of the principles of pharmacology and toxicology, including pharmacokinetics/toxicokinetics, biotransformation, pharmacodynamics, receptor action, mechanisms of toxicosis, and a basic understanding of some of the major classes of drugs and toxins important in veterinary medicine. The course emphasizes drugs affecting the autonomic and central nervous systems, the musculoskeletal system, and the immune and other systems. The toxins to be covered include those that act on the same systems as those listed for the drugs.
PREREQUISITE: 2nd year standing in the DVM program
Three hours lecture and two hour tutorial per week

VBS 242 VETERINARY PHARMACOLOGY AND TOXICOLOGY II

This course provides veterinary students with a basic understanding of the major classes of drugs used in veterinary medicine for the treatment of conditions affecting the cardiovascular system, the respiratory system, the gastrointestinal system, the urogenital and other systems; and for the treatment of infection or infestation. The course discusses toxins that affect the same systems as those listed for the drugs. Industrial and home chemical exposures, food-related toxins, air- and water-borne toxins, metals, poisonous plants, and animal and insect toxins are also covered.
PREREQUISITE: 2nd year standing in the DVM program
Two hours lecture and one hour tutorial per week

VBS 312 CLINICAL PHARMACOLOGY AND TOXICOLOGY

This course provides instruction in the principles of clinical pharmacology and clinical toxicology as they apply to species of veterinary interest. The lectures are taught on a systems basis and the tutorials are case-based discussions. Half of the

course is devoted to principles of clinical pharmacology, and half is devoted to principles of clinical toxicology.
PREREQUISITE: Third year standing in the DVM program
 One hour lecture and one hour tutorial per week

VBS 351 EXOTIC MAMMAL MEDICINE

This elective course deals with the diagnosis and management of diseases in exotic mammals, including rodents, rabbits, ferrets, and hedgehogs.
 1 hour of lecture per week

VBS 352 AVIAN AND REPTILE MEDICINE

This elective course deals with the diagnosis and management of diseases in birds and reptiles.
 1 hour of lecture per week

VBS 410 CLINICS IN PHARMACOLOGY AND TOXICOLOGY

This elective course provides 4th year veterinary students with an understanding of applied veterinary pharmacology and toxicology in domestic species. Half of the rotation is devoted to a systems approach to pharmacological management of diseases. The second half of the rotation is devoted to clinical management of common toxicities. Field trips may occur.
PREREQUISITE: 4th year standing in the DVM Program
 Enrolment is limited
 Three weeks in duration
 Grading is pass/fail.

VBS 430 CLINICS IN COMPANION ANIMAL BEHAVIOUR

This course is a one week rotation in the Clinical Behaviour Service of the Veterinary Teaching Hospital. The course focuses on the prevention and management of problem behaviour in species which are commonly kept as companion animals. Students participate in the diagnosis and management of current cases, and in the review and presentation of prepared case material.
PREREQUISITE: 4th year standing in the DVM program
 One week in duration

VBS 440 EXOTIC AND LABORATORY ANIMAL MEDICINE

In this course students acquire information about laboratory animal medicine as a career path and discuss the challenges and opportunities facing exotic animal and laboratory animal veterinarians. Students practice animal handling, physical examination, and routine procedures such as blood collection and administration of injections, and become familiar with common diseases of exotic pets and laboratory animals. Regulations and guidelines governing animal research and the role of the veterinarian in ensuring humane methods of experimentation are discussed, as are a variety of issues pertaining to animal facilities management.
PREREQUISITE: 4th year standing in the DVM program
 One week in duration

VBS 495 SPECIAL TOPICS IN BIOMEDICAL SCIENCES

This course is initiated and offered at the discretion of the Department. Entry to the course, course content, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department, the AVC Curriculum Committee, and the Dean or designate.
PREREQUISITE: 4th year standing in the DVM program
 One to three hours per week

Companion Animals

www.upei.ca/avc/companion/companion.htm

Companion Animals Faculty

Darcy H. Shaw, Professor, Chair
 James B. Miller, Professor
 Caroline L. Runyon, Professor
 Richard Walshaw, Professor
 Sherri L. Ihle, Associate Professor
 Kip A. Lemke, Associate Professor
 David C. Seeler, Associate Professor
 Etienne Côté, Assistant Professor
 Cheryl Cullen, Assistant Professor
 Hans C.J. Gelens, Assistant Professor
 Leigh Lamont, Assistant Professor
 Peter Moak, Assistant Professor
 LeeAnn Pack, Assistant Professor
 Patricia L. Rose, Assistant Professor
 Lisa Carioto, Adjunct Professor
 James A. Chalman, Adjunct Professor
 Alice Crook, Adjunct Professor
 Clayton A. MacKay, Adjunct Professor
 James O. Noxon, Adjunct Professor

COMPANION ANIMAL COURSES

VCA 212 PRINCIPLES OF MEDICINE

In Principles of Medicine, students learn fundamental principles of disease states, pathophysiology of those principles, and indications for diagnostic methods used in examination of abnormal body functions.
 Two hours of lecture per week

VCA 242 PRINCIPLES OF ANAESTHESIOLOGY AND SURGERY

This course introduces students to fundamental principles of surgery and anaesthesia with broad species applications through both lecture and laboratory instruction. Emphasis is placed on basic concepts, including patient evaluation, relevant physiology and pharmacology, instrumentation and equipment, and guidelines for patient care in the perianaesthetic/perioperative periods. Students will begin to cultivate clinical skills necessary for anaesthetic and surgical case management that can be further developed in third and fourth years of the program.

PREREQUISITE: Second year standing in the DVM program
 Three hours of lecture and two hours of laboratory per week

VCA 252 PRINCIPLES OF DIAGNOSTIC IMAGING

This course introduces students to fundamental principles of diagnostic imaging across veterinary species through both lecture and tutorial instruction. Emphasis is placed on basic concepts central to performing radiographic procedures.
PREREQUISITE: Second year standing in the DVM program
 1 hour of lecture and 1 hour of tutorial (alternate weeks)

VCA 311 THORACIC DISEASES OF SMALL ANIMALS

This course reviews diagnosis and management of diseases of the cardiovascular and respiratory systems in Companion Animals.
 Two hours of lecture per week

VCA 312 GASTROINTESTINAL, HEPATIC, AND DENTAL DISEASES OF SMALL ANIMALS

This course deals with the diagnosis and management of diseases of the digestive system of Companion Animals.
 Two hours of lecture per week

VCA 321 MUSCULOSKELETAL DISEASES OF SMALL ANIMALS

This course covers diagnosis and management of diseases of the musculoskeletal system of Companion Animals.
Two hours of lecture per week

VCA 322 ENDOCRINE AND DERMATOLOGIC DISEASES OF SMALL ANIMALS

This course reviews diagnosis and management of diseases of the endocrine and dermatologic systems of Companion Animals.
Two hours of lecture per week

VCA 331 NEUROLOGIC AND OPHTHALMOLOGIC DISEASES OF SMALL ANIMALS

This course discusses diagnosis and management of diseases of the neurologic system and eyes of Companion Animals.
Two hours of lecture per week

VCA 332 RENAL, GENITOURINARY, IMMUNOLOGIC AND HEMOLYMPHATIC DISEASES OF SMALL ANIMALS

This course discusses diagnosis and management of diseases of the renal, urogenital, hemolymphatic and immunologic systems of Companion Animals.
Two hours of lecture per week

VCA 340 SURGICAL EXERCISES IN COMPANION ANIMALS

This course introduces and reinforces fundamental knowledge and skills related to anaesthesia and surgery as applied to companion animals.

PREREQUISITE: VCA 222

Four hours of laboratory per week in first or second semester

VCA 341 DIAGNOSTIC RADIOLOGY LABORATORY

In this two-semester course, students develop basic skills needed to interpret radiographs of animals with clinical abnormalities.

One hour of laboratory per week

VCA 342 MEDICAL EXERCISES IN COMPANION ANIMALS

In this two-semester course, students develop basic skills needed to perform diagnostic tests and procedures as applied to companion animals.

PREREQUISITE: VCA 212

Two hours of laboratory on alternate weeks

VCA 400 CLINICS IN ANAESTHESIOLOGY

This course is a clinical rotation in the Anaesthesia section of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical veterinary anaesthesiology.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VCA 410 CLINICS IN COMPANION ANIMAL MEDICINE I

This course is a clinical rotation in the Small Animal Medicine section of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical veterinary medicine.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VCA 420 CLINICS IN COMPANION ANIMAL MEDICINE II

In this second rotation through the Small Animal Medicine section of the Veterinary Teaching Hospital, students develop a more detailed knowledge of the principles and techniques used in Companion Animal Medicine.

PREREQUISITE: VCA 410

Enrolment is limited

Three weeks in duration

VCA 422 CLINICAL NUTRITION IN COMPANION ANIMALS

This course is a clinical rotation taught by veterinarians affiliated with Mark Morris Associates. Case-based discussions emphasize the role of dietary management of disease states as primary or adjunctive therapy. Currently hospitalized patients may be incorporated in case discussions.

PREREQUISITE: 4th year standing in the DVM program

One week in duration

VCA 430 CLINICS IN COMPANION ANIMAL SURGERY I

This course is a clinical rotation in the Small Animal Surgery section of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical veterinary surgery.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VCA 432 CLINICS IN COMPANION ANIMAL SURGERY II

In this second rotation through the Small Animal Surgery Service of the Veterinary Teaching Hospital, students develop a more detailed knowledge of the principles and techniques used in Companion Animal Surgery.

PREREQUISITE: VCA 430

Enrolment is limited

Three weeks in duration

VCA 440 CLINICS IN RADIOLOGY I

This course is a clinical rotation in the Radiology section of the Veterinary Teaching Hospital. Students perform and interpret various examinations in diagnostic radiology and special procedures. Some experience in alternative imaging (ultrasound, nuclear scintigraphy) may be gained depending on clinical caseload.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VCA 442 CLINICS IN RADIOLOGY II

In this course students further develop interpretation skills and their ability to perform common radiographic procedures, including ultrasound.

PREREQUISITE: VCA 440

Enrolment is limited

Three weeks in duration

VCA 444 ADVANCED EQUINE DIAGNOSTICS

This course provides advanced training in diagnostic techniques used in the evaluation of the equine patient. Techniques covered include radiography, ultrasonography, nuclear medicine, endoscopy, and lameness evaluation, including use of the treadmill. Additional techniques that may be covered include arthroscopy and laparoscopy. This course is graded pass-fail.

PREREQUISITE(s): Any **ONE** of the following courses - VHM 410, 435, 440, 450, 460, 462, or VCA 440 and permission of the course co-ordinators
One week in duration

VCA 450 CLINICS IN LARGE ANIMAL ANAESTHESIOLOGY AND PAIN MANAGEMENT

This course is a clinical rotation in the anaesthesiology section of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical large animal anaesthesiology and pain management.

PREREQUISITE: 4th year standing in the DVM program
Enrolment is limited
Three weeks in duration

VCA 460 CLINICS IN DERMATOLOGY

This course, given in the Veterinary Teaching Hospital, is a clinical rotation in the specialty of dermatology. Students participate in the diagnosis and therapy of diseases involving the skin of companion animals.

PREREQUISITE: 4th year standing in the DVM Program
Enrolment is limited
Two weeks in duration

VCA 470 ISSUES IN ANIMAL WELFARE

This course fosters an awareness and understanding of issues of animal welfare, and prepares veterinary students to be active and informed participants in discussions of animal welfare and in the formulation of public policy in this area. This is accomplished through discussion and investigation of timely topics relating to animal welfare. Much of the material is presented through case-based discussions, in areas such as companion (including equine), food, and laboratory animal health and well-being. The rotation may include a day-long field trip.

One week in duration

VCA 480 CLINICS IN COMPANION ANIMAL CARDIOLOGY

This course is a clinical rotation in the cardiology service of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical veterinary cardiology.

PREREQUISITE: 4th year standing in the DVM program
CO-REQUISITE: VCA 410
Enrolment is limited
Two weeks in duration

VCA 482 CLINICS IN OPHTHALMOLOGY

This is a clinical rotation in the ophthalmology service of the Veterinary Teaching Hospital. With faculty supervision, students participate in the practice of clinical veterinary ophthalmology.

PREREQUISITE: 4th year standing in the DVM Program
Enrolment is limited
Two weeks in duration

VCA 490 EXTERNAL CLINICAL EXPERIENCE

This course provides a clinical experience that is not available to an individual student at UPEI. This 1-3 credit-hour experience is limited to academic institutions and approved private practices and non-academic institutions where evaluation of performance is routinely completed. In order to qualify as an approved private practice or non-academic institution, certain criteria as outlined in the senior rotation handbook must be met. All expenses incurred are the responsibility of the student. This course is graded pass-fail.

PREREQUISITE: 4th year standing in the DVM Program and approval of the departmental Chair and Associate Dean of Academic Affairs

VCA 495 SPECIAL TOPICS IN COMPANION ANIMALS

This course is initiated and offered at the discretion of the Department. Entry to the course, course content, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department, the AVC Curriculum Committee, and the Dean or designate.

PREREQUISITE: 4th year standing in the DVM program
One to three hours per week

Health Management

www.upei.ca/-avc/health/health.htm

Health Management Faculty

Lawrence E. Heider, Professor Emeritus
Jeffrey Wichtel, Associate Professor, Chair
Timothy H. Ogilvie, Professor and Dean
Jeanne Lofstedt, Professor, Associate Dean of Academic Affairs
Ian R. Dohoo, Professor
Robert Lofstedt, Professor
Mary A. McNiven, Professor
Gavin F. Richardson, Professor
Herman Barkema, Associate Professor
T. Jeffrey Davidson, Associate Professor
Wendy Duckett, Associate Professor
Larry Hammell, Associate Professor
Daniel Hurnik, Associate Professor
Gregory Keefe, Associate Professor
J.T. McClure, Associate Professor
Laurie McDuffee, Associate Professor
Arthur Ortenburger, Associate Professor
Christopher Riley, Associate Professor
Elizabeth Spangler, Associate Professor
Henrik E. Stryhn, Associate Professor
John VanLeeuwen, Associate Professor
Robert Ackman, Adjunct Professor
Craig Bellamy, Adjunct Professor
Randy Dingwell, Adjunct Professor
Gary England, Adjunct Professor
Christopher Frantsi, Adjunct Professor
Ian Gardner, Adjunct Professor
Jonathan Grant, Adjunct Professor
Steven Griffiths, Adjunct Professor
Santosh P. Lall, Adjunct Professor
Thomas Landry, Adjunct Professor
Andrea Locke, Adjunct Professor
Sharon McGladdery, Adjunct Professor
Ian Moore, Adjunct Professor
Anthony Shaw, Adjunct Professor
Fred Silversides, Adjunct Professor
Donald Sockett, Adjunct Professor
John Tait, Adjunct Professor
Jennifer Taylor, Adjunct Professor
Rèjean Tremblay, Adjunct Professor
Rob Tremblay, Adjunct Professor
Theodore VanLunen, Adjunct Professor
Linda Van Til, Adjunct Professor

HEALTH MANAGEMENT COURSES

VHM 101 INTRODUCTION TO VETERINARY MEDICINE

This course is an introduction to Veterinary Medicine. Students study the principles of veterinary ethics and jurisprudence, develop skills in client communication, and evaluate strategies for professional development. This course is graded pass-fail.

Two hours of lecture per week

VHM 111 ANIMAL PRODUCTION SYSTEMS

This course provides students with a basic understanding of major animal industries, with particular emphasis in nutrition, breeding, reproduction, housing, feeding, general management and marketing characteristics of each industry. In addition, major compounds of nutritional importance in nutrient metabolism, and the role of nutrients in the integration of biological and physiological processes in animals are discussed. Feedstuffs are evaluated in relation to nutrient requirements of various animal species.

Two hours of lecture and three hours of laboratory/field experience per week

VHM 112 PRINCIPLES OF VETERINARY EPIDEMIOLOGY

In this course students learn the basic principles and techniques used in veterinary epidemiology. Students apply quantitative reasoning to common problems in veterinary medicine including estimating the frequency of disease, evaluating and interpreting diagnostic tests, predicting prognosis, evaluating risk factors for disease, and interpreting the veterinary literature.

Two hours of lecture and one hour of laboratory per week

VHM 122 CLINICAL ORIENTATION

In this course, students develop proficiency in the skills of approach, handling, restraint, and physical examination of normal domestic animals. Species of interest include companion animals, farm animals, aquatic, avian, and laboratory animals.

One hour of lecture and three hours of laboratory per week

VHM 222 PRINCIPLES OF THERIOGENOLOGY

In this course, students develop an understanding of applied reproductive physiology and control of the estrous cycle in the common domestic species. Artificial insemination and embryo transfer are discussed. Certain diseases and conditions affecting the reproductive system of domestic animals are introduced.

Two hours of lecture per week

VHM 231 VETERINARY PUBLIC HEALTH

In this course students learn about the role of the veterinarian in public health. Topics covered include risk management and risk communication, the safety of foods of animal origin, the responsibilities of the veterinarian in control of zoonotic diseases and occupational hazards in veterinary medicine. The emphasis of the course is divided between the role of the private practitioner in food safety and public health, and the role of the veterinarian in federal and provincial inspection and regulatory programs.

Two hours of lecture and a two-hour laboratory on alternate weeks

VHM 241 PRINCIPLES OF HEALTH MANAGEMENT

In this course, techniques used in the descriptive epidemiology of infectious diseases are presented along with the basic

principles of veterinary economics. This material, plus material from V HM 112, then forms the basis of a series of lectures, case-based studies, and laboratories which introduce the basic principles of health management as applied to livestock populations. Laboratory sessions are used to extend the students' information processing skills and to reinforce principles presented in lectures. One hour of lecture and one hour of laboratory per week

VHM 321 THERIOGENOLOGY

In this course, students develop an understanding of the diseases and conditions affecting the reproductive system of domestic animals. Dystocia and obstetrical techniques are discussed. Students are also instructed in diagnostic methods used in theriogenology. Laboratory sessions present common techniques used in diagnosis, therapy, and obstetrics.

Two hours of lecture and two hours of laboratory per week

VHM 331 LARGE ANIMAL MEDICINE I

In this course, students learn about the more common disease states and conditions of the large domestic animal species. A problem oriented approach with the provision of case examples is utilized in teaching the course. For the common problems involving the individual animal, students will be provided information on patient profile, history, clinical signs and laboratory data. Following an assessment of each problem, information on diagnostic approach, therapy and prognosis will be provided.

Two hours of lecture and one two-hour laboratory on alternate weeks

VHM 332 LARGE ANIMAL MEDICINE II

This course discusses diseases not covered in Large Animal Medicine I. Students learn about additional disease states and conditions commonly found in large domestic animals. The individual animal is the subject of concern and the material is presented in a problem oriented approach.

Two hours of lecture and one two-hour laboratory on alternate weeks

VHM 341 LARGE ANIMAL SURGERY I

The common surgical diseases and indications for surgery in large domestic animals are presented in a context of humane and effective patient care. Specific procedures of the integumentary, gastrointestinal, and respiratory systems are described. Students are challenged to integrate and apply the material presented in V CA 222, and in this course, in a weekly laboratory.

Two hours of lecture and one two-hour laboratory per week

VHM 342 LARGE ANIMAL SURGERY II

This course is a continuation of V HM 341, and includes similar descriptions for conditions of the urogenital, musculoskeletal, cardiovascular and nervous systems. Correct assessment and treatment of the common types of trauma encountered in practice are also discussed.

Two hours of lecture and one two-hour laboratory per week

VHM 371 HEALTH MANAGEMENT OF SWINE

This course describes health management programs and analysis of production performance in swine. Diagnosis and treatment of important diseases affecting swine are presented. Other factors affecting health and productivity, including environment, feeding, and housing considerations are presented.

Two hours of lecture and one hour of practical activity per week

VHM 372 HEALTH MANAGEMENT OF DAIRY CATTLE

Health Management programs for dairy cattle are presented in this course. Production goals, and health management factors which are essential to meet these goals are discussed.

Two hours of lecture and one hour of practical work per week

VHM 382 HEALTH MANAGEMENT OF BEEF CATTLE, HORSES, AND SMALL RUMINANTS

Health Management programs for the above species of livestock will be presented. Production goals and health management factors essential to reach the goals will be discussed. Topics include nutrition, environmental quality, husbandry considerations, and preventive procedures.

Two hours of lecture and one hour of practical activity per week

VHM 401 CAREER AND PRACTICE MANAGEMENT

In this course students acquire the knowledge and skills for successful transition into a practice environment. Topics include resume preparation, interview skills, assessment of offers of employment or practice purchase, personal and business finance, and principles of veterinary practice management. Course delivery includes didactic lectures, facilitated discussions, and learning exercises.

PREREQUISITE: 4th year standing in the DVM Program (May be offered to students prior to entering 4th year with permission of the course Co-ordinator)

One week in duration

VHM 402 APPLIED EPIDEMIOLOGY

This course provides students with the opportunity to work on a population-based problem of clinical relevance and to develop the problem solving, data management and information processing skills necessary to address the problem. The projects will utilize, whenever possible, existing data such as hospital records, APHIN health and production databases and other data sources. Students assemble the necessary data, carry out appropriate analyses, interpret results and prepare a report of their findings.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VHM 403 SHORT COURSE IN APPLIED EPIDEMIOLOGY

This course provides students with the opportunity to work on population-based problems of clinical relevance, and to develop problem solving, data management and information processing skills necessary to address veterinary medicine related problems. The projects utilize, whenever possible, existing data such as hospital records, APHIN and/or ADLIC health and production databases, research data, and other data sources. Students may elect to analyse data that they have obtained from a research or clinical practice experience. With faculty supervision, students assemble the necessary data, carry out appropriate analyses, interpret results and prepare a report of their findings. This is an abbreviated form of VHM 402, with reduced expectations of students.

PREREQUISITE: 4th year standing in the DVM program

One semester hour of credit

40 hours per week and clinical rotation

VHM 404 AQUACULTURE HEALTH MANAGEMENT I

This course provides students with an opportunity to work on population-based problems of clinical relevance and to develop

the problem-solving, data management, and information processing skills necessary to address current health and production problems of fish farms and lobster holding units.

PREREQUISITE: 4th year standing in the DVM program

One semester hour of credit and clinical rotation

VHM 405 AQUACULTURE HEALTH MANAGEMENT II

This course provides students with additional opportunity to work independently on population-based problems of clinical relevance and to develop advanced problem-solving, data management, and information processing skills necessary to address current health and production problems of fish farms and lobster holding units.

PREREQUISITE: VHM 433 or VHM 404, and permission of the instructor

One semester hour of credit and clinical rotation

VHM 410 CLINICS IN LARGE ANIMAL MEDICINE AND THERIOGENOLOGY

Students are involved in the management of clinical cases in the Veterinary Teaching Hospital and, together with faculty members, also participate in routine visits to dairy herds.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VHM 411 CLINICAL CONFERENCE

This is a clinical seminar course with participation by students, house officers, and other professionals. Each student prepares and presents a seminar based on a case-report format with in-depth discussion of the selected disease condition. A manuscript of the case report is required.

PREREQUISITE: 4th year standing in the DVM Program

Two hours per week

VHM 420 CLINICS IN THERIOGENOLOGY—GENERAL

In this course, students gain clinical experience in theriogenology involving farm and companion animals. With faculty supervision, students participate in herd visits and the management of cases that are presented to the Veterinary Teaching Hospital. Emergency and out-of-hours duties are required of students enrolled in this course. Students are required to give seminars at the end of the rotation.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VHM 422 CLINICS IN THERIOGENOLOGY—EQUINE

In this course, students gain clinical experience in theriogenology with an emphasis on horses. With faculty supervision, students participate in herd visits, the management of a breeding farm, and in cases which are presented to the Veterinary Teaching Hospital. Emergency and out-of-hours duties are required of students enrolled in this course. Students are required to give seminars at the end of the rotation.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VHM 431 CLINICS IN FARM SERVICE—RUMINANTS AND SWINE I

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. This rotation emphasizes

procedures and techniques for the prevention and control of diseases of swine, beef and dairy cattle and small ruminants necessary for food animal practice, including diagnostic techniques, administration of medications through various routes, and health management assessment (rectal palpation). Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and are exposed to the principles of health management of herds and flocks.

PREREQUISITE: 4th year standing in the DVM program
Enrolment is limited

Two weeks in duration

VHM 432 CLINICS IN FARM SERVICE—DAIRY

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. This rotation emphasizes procedures and techniques for the prevention and control of diseases of dairy cattle. Students participate, with faculty supervision, in both the practice of clinical veterinary medicine and in planning and delivering programs to enhance production in dairy cows.

PREREQUISITE: V HM 431

Enrolment is limited

Three weeks in duration

VHM 434 ECOSYSTEM HEALTH

This course demonstrates the complexity of ecosystem decision making and the role of the veterinarian in the assessment, solution and possible management of ecosystem health issues. The field portion of the course involves an in-depth examination of one or several ecosystems and provides an opportunity to apply principles and methods discussed in lectures and reviewed in the literature.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Two weeks in duration

VHM 435 CLINICS IN AMBULATORY SERVICES—EQUINE I

In this course, students work with clinicians in the diagnosis and treatment of conditions of horses in an ambulatory setting. The rotation emphasizes individual equine problems. Students participate in the management of field cases under veterinary supervision.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VHM 436 CLINICS IN FARM SERVICE —SWINE

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. This rotation emphasizes procedures and techniques for the prevention and control of diseases of swine. Students participate, with faculty supervision, in both the practice of clinical veterinary medicine and in planning and delivering programs to enhance swine production.

PREREQUISITE: 4th year standing in the DVM program

Three weeks in duration

VHM 437 CLINICS IN AMBULATORY SERVICES—EQUINE II

In this second rotation through the Equine Ambulatory Service of the Veterinary Teaching Hospital, students develop a more detailed knowledge of the principles and techniques used in the practice of equine medicine and surgery in an ambulatory setting.

PREREQUISITE: 4th year standing in the DVM program, VHM 435, and permission of the instructor

Three weeks in duration

Three semester hours of credit

VHM 438 ECOSYSTEM HEALTH

This course presents case studies to demonstrate the complexity of ecosystem decision making, and the assessment and management of ecosystem health issues. This field-based course allows in-depth examination of one or several ecosystems and provides an opportunity to apply principles and methods from a broad range of disciplines.

PREREQUISITE: Permission of the instructor

One week in duration

One semester hour of credit

VHM 440 CLINICS IN LARGE ANIMAL MEDICINE I

A course in which students work with clinicians in the diagnosis and treatment of diseases of large animals presented to the Veterinary Teaching Hospital. Students participate, with faculty supervision, in case management (including emergency and out-of-hours duties). Emphasis is placed on the principles and practice of large animal veterinary medicine.

PREREQUISITE: 4th year standing in the DVM Program

Enrolment is limited

Three weeks in duration

VHM 441 CLINICS IN FARM SERVICE —RUMINANTS AND SWINE II

In this second rotation through the Farm Service section of the Veterinary Hospital, students further develop the knowledge and skills required for the practice of clinical veterinary medicine on farm, and expand their ability to apply the principles of health management of herds and flocks such as encountered in VHM 431.

PREREQUISITE: VHM 431

Two semester hours of credit

VHM 443 CLINICS IN FARM SERVICE—FEEDLOT MANAGEMENT

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in cattle. This rotation emphasizes procedures and techniques for the management of health and disease on feedlot operations, including processing of calves in the fall. Students are based at Feedlot Health Management Services, Okotoks, Alberta, for the majority of this rotation, to gain experience on feedlots in Western Canada.

PREREQUISITE: VHM 431

Two semester hours of credit

40 hours per week and clinical rotation

VHM 445 CLINICS IN FARM SERVICE—RUMINANT NUTRITION

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in dairy cows. This rotation emphasizes procedures and techniques for enhancing nutritional management of dairy cattle.

PREREQUISITE: VHM 431

One semester hour of credit

40 hours per week and clinical rotation

VHM 446 CLINICS IN FARM SERVICE—RUMINANT MASTITIS

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in dairy cows. This rotation emphasizes procedures and techniques for the prevention and control of clinical and subclinical mastitis in dairy cattle, including: evaluation of milk quality records available for trouble-shooting herd problems; evaluation of milking systems, milking time, and parlour labour efficiency; development of a milk culture service; and development of mastitis pathogen treatment and prevention strategies.

PREREQUISITE: VHM 431

One semester hour of credit

40 hours per week and clinical rotation

VHM 447 CLINICS IN FARM SERVICE—RUMINANT PRODUCTION RECORD ANALYSIS

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in dairy cows. This rotation emphasizes procedures and techniques for ruminant record analysis, including data acquisition, manipulation within a spreadsheet (including basic statistics and graphics), and report writing in a concise, comprehensive and meaningful report to motivate change.

PREREQUISITE: VHM 431

One semester hour of credit

40 hours per week and clinical rotation

VHM 448 CLINICS IN FARM SERVICE—RUMINANT REPRODUCTION

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in dairy cows. This rotation emphasizes procedures and techniques for ruminant reproduction, including: pregnancy diagnosis and fetal sexing using ultrasound technology, the analysis of herd level reproductive records, and other advanced techniques.

PREREQUISITE: VHM 431

One semester hour of credit

40 hours per week and clinical rotation

VHM 449 CLINICS IN FARM SERVICE—COW/CALF MANAGEMENT

This course is a clinical rotation in the Farm Service section of the Veterinary Teaching Hospital. Students participate, with faculty supervision, in the practice of clinical veterinary medicine, and in the planning and delivering of programs to optimize production in beef and dairy cows. This rotation emphasizes procedures and techniques for the management of health and disease on cow-calf operations, including processing of cows and calves in the fall.

PREREQUISITE: VHM 431

One semester hour of credit

40 hours per week and clinical rotation

VHM 450 CLINICS IN LARGE ANIMAL SURGERY I

This course is a clinical rotation in the Large Animal Surgery Section of the Veterinary Teaching Hospital. Students provide patient care, participate in ward rounds, and learn the routine

procedures of clinical case management and decision making.

Supplemental seminars

Enrolment is limited.

Three weeks in duration

VHM 452 CLINICS IN LARGE ANIMAL SURGERY II

This course provides students with additional clinical experience with surgical diseases of large animals. In addition to case management, students are also provided with seminars and review recent literature in the field.

PREREQUISITE: VHM 450 or VHM 460

Enrolment is limited

Three weeks in duration

VHM 460 CLINICS IN LARGE ANIMAL MEDICINE AND SURGERY

This course is a clinical rotation in the Large Animal Surgery and Medicine sections of the Veterinary Teaching Hospital, in which students see a variety of large animal cases. Students provide patient care, participate in rounds, share emergency duty, and out-of-hours service, and learn some of the routine procedures of case management and decision making in large animal practice.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Thirty-five hours in clinics per week

VHM 461 INFECTIOUS AND PRODUCTION-LIMITING DISEASES OF RUMINANTS

In this course students participate, with clinicians, in the diagnosis, treatment and prevention of disease conditions affecting ruminants, with particular emphasis on infectious and production-limiting diseases. Individual animal evaluation in the Veterinary Teaching Hospital and field investigation of herd problems are included. Issues such as clinical decision-making, food safety, and preventive medicine, are discussed. Students play an active role in all aspects of the course.

PREREQUISITE: VHM 440, 460, 410, or 431

Enrolment is limited

Two weeks in duration

VHM 462 CLINICS IN EQUINE MEDICINE AND SURGERY

This course is a clinical rotation in the Equine Medicine and Surgery sections of the Veterinary Teaching Hospital, in which students see a variety of equine cases. Students provide patient care, participate in rounds, share emergency duty and out-of-hours service, and learn some of the routine procedures of case management and decision making in equine practice.

PREREQUISITE: Fourth year standing in the DVM program

Enrolment is limited

Three weeks in duration

VHM 464 CLINICS IN LARGE ANIMAL MEDICINE II-I

In this one credit-hour course, which is an extension of Clinics in Large Animal Medicine I, students work with clinicians in the diagnosis and treatment of diseases of large animals presented to the Veterinary Teaching Hospital. The student is given more responsibility and expected to perform more actively in decisions involving case management. Duties include emergency and out-of-hours services.

PREREQUISITE: VHM 440, 460, 462, or 410

One semester hour of credit

Clinical rotation

VHM 465 CLINICS IN LARGE ANIMAL MEDICINE II-2

In this 2 credit-hour course, which is an extension of Clinics in Large Animal Medicine I, students work with clinicians in the diagnosis and treatment of diseases of large animals presented to the Veterinary Teaching Hospital. The student is given more responsibility and expected to perform more actively in decisions involving case management. Duties include emergency and out-of-hours services.

PREREQUISITE: VHM 440, 460, 462, or 410

Two semester hours of credit

Clinical rotation

VHM 466 (formerly VHM 442) CLINICS IN LARGE ANIMAL MEDICINE II-3

In this 3 credit-hour course, which is an extension of Clinics in Large Animal Medicine I, students work with clinicians in the diagnosis and treatment of diseases of large animals presented to the Veterinary Teaching Hospital. The student is given more responsibility and expected to perform more actively in decisions involving case management. Duties include emergency and out-of-hours services.

PREREQUISITE: VHM 440 Enrolment is limited

Three weeks in duration

VHM 467 SWINE HEALTH MONITORING

This course is a clinical rotation in the Farm Service section of the Department of Health Management. The rotation emphasizes the procedures and techniques for providing health monitoring services for minimal disease swine farms. The student will participate, with faculty supervision, in the practice of clinical veterinary medicine, the evaluation of the health status of the farms, and consultation regarding production and health management, and disease prevention.

PREREQUISITE: 4th year standing in DVM program

One semester hour of credit

40 hours per week and clinical rotation

VHM 480 CLINICS IN REGULATORY MEDICINE

This course prepares students to assume the role of an Accredited Veterinarian. An Accredited Veterinarian is a veterinarian who is authorized under the Health of Animals Act to perform certain duties and functions in support of the National Animal Health Program (e.g. certifying livestock for export, Coggins testing horses). Topics covered include an orientation to the national food inspection system and the federal laboratory system. This course is a prerequisite for Accreditation with the Canadian Food Inspection Agency, and hence will be of interest to students considering work in the food animal, equine or regulatory sector.

PREREQUISITE: 4th year standing in the DVM Program Enrolment is limited

One week in duration

VHM 482 VETERINARY ACUPUNCTURE

In this course, students learn the fundamentals of veterinary acupuncture, and apply its principles to the management of patients with special problems. Lectures and laboratories in the science of acupuncture are supplemented with clinical cases admitted to the teaching hospital for treatment. Students are introduced to the basic skills, instrumentation, and examination methods required for successful treatment of animal patients by acupuncture.

PREREQUISITE: Fourth year standing in the DVM program and permission of the instructor

Three weeks in duration

VHM 490 EXTERNAL CLINICAL EXPERIENCE

This course provides a clinical experience that is not available to an individual student at UPEI. This 1-3 credit-hour experience is limited to CVMA or AVMA accredited faculties of veterinary medicine, other institutions and institutional practices, and approved private practices where evaluation of performance is routinely completed. In order to qualify for credit, the clinical experience taken outside an accredited faculty of veterinary medicine must meet certain criteria as outlined in the Senior Rotation Handbook. All expenses incurred are the responsibility of the student. This course is graded pass-fail.

PREREQUISITE: Fourth year standing in the DVM program and approval of the departmental Chair and Associate Dean of Academic Affairs

VHM 492 ADVANCED EQUINE DENTISTRY AND HEALTH CARE

In this course students learn the theory and practice of disease prevention in horses, including vaccination and parasite control programs. Students practice, with faculty supervision, dental care on horses at Island facilities and in the AVC teaching barn. In-depth discussions and reviews of pertinent and timely information take place.

PREREQUISITE: Any ONE of the following courses: VHM 410, 420, 422, 435, 440, 450 or 460 and permission of the course Co-ordinator.

One week elective rotation in Winter semester

VHM 495 SPECIAL TOPICS IN HEALTH MANAGEMENT

This course is initiated and offered at the discretion of the Department. Entry to the course, course content, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department, the AVC Curriculum Committee, and the Dean or designate.

PREREQUISITE: 4th year standing in the DVM program One to three hours per week

Pathology and Microbiology

www.upei.ca/pathmicro/

Pathology and Microbiology Faculty

Basil O. Ikede, Professor, Chair

James E.C. Bellamy, Professor, Associate Dean of Graduate Studies and Research

Richard J. Cawthorn, Professor

Pierre-Yves Daoust, Professor

Harihar Hariharan, Professor

Frederick S.B. Kibenge, Professor

Alfonso López, Professor

David Speare, Professor

Shelley Burton, Associate Professor

Arnost Cepica, Associate Professor

Gary A. Conboy, Associate Professor

Paul E.A. Hanna, Associate Professor

Barbara S. Horney, Associate Professor

Gerald Johnson, Associate Professor

Frederick Markham, Associate Professor

Lisa Maag Miller, Associate Professor

Jeff Lewis, Assistant Professor

Linda Bootland, Adjunct Professor

Laura Brown, Adjunct Professor

Philip Byrne, Adjunct Professor

Robert Frederickson, Adjunct Professor

David B. Groman, Adjunct Professor

J.-Y. Guigné, Adjunct Professor
 Lawrence Hale, Adjunct Professor
 D. Hoskin, Adjunct Professor
 Simon Jones, Adjunct Professor
 Scott McBurney, Adjunct Professor
 Eva Nagy, Adjunct Professor
 Mel Novilla, Adjunct Professor
 Donald Rainnie, Adjunct Professor
 Carole Simard, Adjunct Professor
 Roger Uglow, Adjunct Professor
 W. van Muiswinkel, Adjunct Professor
 P. Waterstrat, Adjunct Professor
 Shona Whyte, Adjunct Professor
 Carmencita V. Yason, Adjunct Professor

PATHOLOGY AND MICROBIOLOGY COURSES

VPM 101 INTRODUCTORY MICROBIOLOGY FOR NURSING STUDENTS

This course is an introduction to the basic concepts and principles of microbiology. The structure and function of the major groups - viruses, bacteria, fungi and protozoa - which affect human health, are studied. Topics include the process of disease transmission, immunology, physical and chemical methods of disease prevention and control, as well as major infectious diseases of the body systems.

PREREQUISITE: Registration in the Nursing program or permission of the Chair

Three hours of lecture and two hours of laboratory per week

VPM 111 IMMUNOLOGY

Description of the events occurring during an immune response at the molecular, cellular and clinical level will be presented. The role of this response in prevention of, or recovery from, infectious disease will be outlined. Principles of immunoprophylaxis will be discussed. Adverse effects of an immune response, including hypersensitivity and auto-immunity, will be discussed and illustrated by the use of clinical examples.

Two hours of lecture and a two-hour laboratory on alternate weeks

VPM 122 PARASITOLOGY

The course presents principles of the developmental cycles, pathogenesis of infections, immunological responses and epidemiology of animal parasites, including arthropods, protozoa and helminths. Examples from domestic animals, companion animals, wildlife, fish and human hosts will be presented.

Two hours of lecture and two hours of laboratory per week

VPM 152 GENERAL PATHOLOGY

This course is the study of disease processes in organs and tissues of animals at the subcellular, cellular, and tissue levels. The major disease processes include degeneration, necrosis, pigmentation, circulatory disturbances, inflammation, healing, growth abnormalities and neoplasia.

PREREQUISITE: Second semester enrollment in the AVC curriculum

Two hours of lecture and two hours of laboratory per week

VPM 201 BACTERIOLOGY AND MYCOLOGY

Bacterial and fungal pathogens of animals will be considered with respect to habitat, virulence factors, pathogenesis and effect on different animal species. Emphasis is placed on specimen selection and isolation and control by chemo-

therapeutic and biological means.

Three hours of lecture and four hours of laboratory per week

VPM 211 VIROLOGY

This course provides both a theoretical and a practical basis for understanding important viral diseases of animals. The lectures cover general principles of virology and viral diseases, with special emphasis on diagnosis and pathogenesis. The tutorials are focused on discussions of clinical cases in which student apply knowledge from lectures, as well as directed self-study of clinical problems. Students are guided in group discussions to develop critical reasoning skills.

Two hours of lecture and two hours of tutorial per week

VPM 221 (formerly VPM 251) SYSTEMIC PATHOLOGY I

This course is the study of the diseases of the alimentary, hepatic, pancreatic, respiratory, cardiovascular, and haemopoietic systems at the cellular, tissue, and organ levels.

PREREQUISITE: Third semester enrollment in the AVC curriculum

Two hours of lecture and two hours of laboratory per week

VPM 222 (formerly VPM 252) SYSTEMIC PATHOLOGY II

The course is the study of the diseases of the alimentary, hepatic, pancreatic, respiratory, nervous, ocular, auditory, endocrine, reproductive, integumentary, urinary and/or other systems at the cellular, tissue, and organ levels.

Three hours of lecture and four hours of laboratory per week

VPM 242 CLINICAL PATHOLOGY

This course provides students with principles of veterinary haematology, cytology and clinical chemistry. Students learn to recognize and interpret alterations in peripheral blood smears, cytologic samples of major body systems, and chemistry data from serum and other body fluids.

Two hours of lecture and two hours of laboratory per week

VPM 262 AQUACULTURE AND FISH HEALTH

This course provides students with practical experience in the application of Veterinary Medicine in the aquatic environment. Lectures deal with various aspects of aquaculture, including food fish, shellfish, pet fish, and public display aquaria. Interactions of water, holding facilities, and disease agents will be examined to provide a basis for disease prevention and rational use of chemotherapeutics.

Two hours of lecture and two hours of laboratory/project activity per week

VPM 410 INTERNATIONAL VETERINARY MEDICINE

This 2-3 credit hour course introduces students to the practice of veterinary medicine in other countries. Students study and experience foreign animal diseases and animal health and management practices in other countries, and learn to appreciate socioeconomic and cultural differences. This course is graded pass-fail.

PREREQUISITE: 4th year standing in the DVM program and approval of course Co-ordinator

Three weeks in duration

VPM 421 FOREIGN ANIMAL DISEASES

In this course students participate in seminars, tutorials and laboratory exercises on the etiology, epidemiology, pathogenesis, diagnosis, treatment and control of major infectious diseases of animals in the tropics and/or countries

foreign to North America. Slides and video tapes are used and students are expected to acquire up-to-date information on recent or current epidemics and on emerging diseases. Regulatory measures to prevent introduction of such diseases and to control possible outbreaks in non-endemic areas are emphasised.

PREREQUISITE: 4th year standing in the DVM program

Two weeks in duration

Two semester hours of credit

VPM 430 CLINICAL VIROLOGY

In this course students improve their understanding of the laboratory diagnosis of viruses of veterinary importance by applying previously acquired knowledge of pathogenesis and immunity to clinical situations encountered in the region. Selected submissions to the Regional Diagnostic Virology Laboratory are analysed to teach students the correct procedures for submitting samples and interpreting results. Examples are used to review interpretation of the reported laboratory results. Recent advances in understanding and management of viral diseases of veterinary importance are presented. Pathogenesis of selected viral diseases is reviewed in detail to assist with correct diagnosis and management of those diseases.

PREREQUISITE: 4th year standing in the DVM program

Two weeks in duration

Two semester hours of credit

VPM 450 DIAGNOSTIC SERVICES

This course is a rotation in the laboratories of Diagnostic Services. Students gain practical experience in clinical diagnostics with respect to the application of techniques and the interpretation of results in the areas of pathology, clinical pathology, virology, bacteriology and parasitology.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 452 CLINICAL AND MORPHOLOGIC PATHOLOGY

In this course, veterinary students interact directly with clinical pathologists and morphologic pathologists as they process and interpret selected clinical cases. Students gain practical experience in sample collection and interpretation of test results and necropsy examination.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 460 MORPHOLOGIC PATHOLOGY

In this course, small groups of students interact directly with pathologists on post-mortem duty. Students gain practical experience in performing necropsies, evaluating histologic slides and establishing a final diagnosis. Emphasis is placed on gross morphologic diagnosis.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 462 DISEASES OF POULTRY

This course is designed to give an understanding of etiology, pathogenesis, diagnoses and treatment of common diseases of poultry. This information is integrated with management practices used on commercial poultry farms for disease prevention.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 470 CLINICAL PATHOLOGY AND MICROBIOLOGY

In this course students are involved in a case oriented review of clinical pathology, parasitology, virology and bacteriology. Students have the opportunity for practical application of diagnostic techniques as well as their interpretation. Emphasis also is given to appropriate sample collection, handling and submission.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 472 WILDLIFE HEALTH

In this course students are presented with a comprehensive review of the diseases of free-ranging wildlife and of the methods of restraint and treatment of wild and zoo animals. The students gain practical experience in the delivery of immobilizing drugs and also in the treatment and rehabilitation of wild and zoo animals, when these are available.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 482 AQUACULTURE DIAGNOSTIC SERVICES

Small groups of DVM students interact with fish farmers who submit fish to the clinic or diagnostic services laboratory. Students gain experience in the application of veterinary skills to the aquatic environment. Practical experience includes feed management, treatment techniques, assessment of fish disease and development of disease prevention strategies in fish reproduction, egg maintenance and first feeding fry. The course includes farm visits and laboratory testing.

PREREQUISITE: 4th year standing in the DVM program

Enrolment is limited

Three weeks in duration

VPM 490 EXTERNAL CLINICAL EXPERIENCE

This course provides a clinical experience that is not available to an individual student at UPEI. This 1-3 credit-hour experience is limited to academic institutions and non-academic institutions where evaluation of performance is routinely completed. In order to qualify as an approved non-academic institution, certain criteria as outlined in the Senior Rotation handbook must be met. All expenses incurred are the responsibility of the student. This course is graded pass-fail.

PREREQUISITE: 4th year standing in the DVM Program

and approval of the departmental Chair and the Associate Dean of Academic Affairs

VPM 495 SPECIAL TOPICS IN PATHOLOGY AND MICROBIOLOGY

This course is initiated and offered at the discretion of the Department. Entry to the course, course content, and the conditions under which the course may be offered will be subject to the approval of the Chair of the Department, the AVC Curriculum Committee, and the Dean or designate.

PREREQUISITE: 4th year standing in the DVM program

One to three hours per week



9. Graduate Programs

Admission Requirements

A) MASTER OF SCIENCE (MSc), MASTER OF VETERINARY SCIENCE (MVSc), DOCTOR OF PHILOSOPHY (PHD), AND POSTGRADUATE DIPLOMA IN PATHOLOGY OR MICROBIOLOGY (PGDip)

In the following it must be understood that the standard of reference is the typical Canadian university curriculum and university system.

Admission to a graduate degree program as a regular student is granted, on recommendation of the Department concerned, to:

- i. the holder of a Doctor of Veterinary Medicine (DVM) degree, or a four-year honours or majors baccalaureate or its equivalent, as set out below; or
- ii. a student who has satisfied the requirements for transfer from provisional student category as described below.

The minimum requirement for admission to graduate studies in the Faculties of Science and Veterinary Medicine is a Doctor of Veterinary Medicine (DVM) degree, or equivalent; or a Bachelor of Science (BSc) degree, or equivalent, normally of four years' duration, in an honours or majors program or equivalent from a recognized university or college, the applicant having achieved an average of at least second-class ("B," i.e., 70% to 79.9%) standing in the work of the last four semesters or the last two undergraduate years.

Admission to the doctoral program normally requires at least second-class standing as well as a recognized Master's degree. Admission to the PGD and MVSc programs is normally limited to holders of a Doctor of Veterinary Medicine degree, or equivalent.

Admission to a graduate course is normally based upon the same requirements as for admission to a graduate program, with exceptions needing the approval both of the Program Administrator and of the Chair of the Department within which the student is registered. Admission, whether as a regular, a provisional, or a special student, is in all cases based upon the recommendation of the Department concerned and is subject to the approval of the Program Administrator.

Admission to advanced courses of instruction or to the privileges of research does not imply admission to candidacy for a higher degree.

APPLICATION FOR ADMISSION

All documents pertaining to application for admission are to be sent to the Office of the Registrar.

APPLICATION FORM

Forms upon which to apply for admission may be obtained at www.upei.ca/registrar/Gradapp.pdf or from the Office of the Registrar, to which they are to be returned when completed.

TRANSCRIPTS

Official transcripts or certified copies in duplicate of the applicant's complete undergraduate and graduate (if any) record to date are to be sent to the Office of the Registrar. Applicants from outside North America are strongly urged to attach official statements of the grades obtained and the subject matter included.

REFERENCE LETTERS

Letters of reference from two professors, under at least one of whom the applicant has taken a significant proportion of work, are to be sent by the professor directly to the Office of the Registrar. An acceptable alternative to one such letter is a letter from the Department Chair on behalf of the Department in which the applicant has studied, or from the employer where the applicant has recently been employed.

ENGLISH PROFICIENCY

Students are expected to be proficient in the use of English, both written and oral, when they begin their studies at the University of Prince Edward Island. The University requires that certification of such proficiency be presented by international applicants whose mother tongue is other than English or whose normal language of instruction throughout their education was other than English. Tests of proficiency acceptable to the University, and the minimum scores that must be obtained, are listed under the **Admission Requirements for All Programs** section of the Calendar. Such students should make arrangements to take the test at least three months before the semester opening date.

GRADUATE RECORD EXAMINATIONS

In some departments, the Graduate Record Examination (GRE) scores may be used as a basis of determining acceptability of an applicant. Applicants should be careful to note the times and places where the GRE and the tests named above may be taken. Ample time should be allowed for the results to reach the University of Prince Edward Island.

REFUSAL OF ADMISSION

Limitations of funds, space, facilities, or personnel may make it necessary for the University, at its discretion, to refuse admission to an otherwise acceptable applicant.

ADMISSION OF FACULTY MEMBERS

Faculty members of the rank of Associate Professor or Professor are not eligible for admission to graduate studies.

Faculty members who are eligible to undertake graduate studies must obtain permission of the President.

TENTATIVE ADMISSION

Tentative Admission may be granted to an applicant whose record to date is acceptable but whose application is incomplete. If the documents are satisfactory when received, the student's admission is confirmed. If unsatisfactory, admission is denied.

B) MASTER OF EDUCATION

Candidates for admission to the MED program must have demonstrated high academic standing and potential for self-directed, sustained research. Normally, the basic requirements are:

- i. a BEd, or equivalent professional degree, from an approved university, with an average of 70% or higher in the last 20 courses. Under exceptional circumstances, a student lacking a previous degree may be permitted to enrol in the MED Program. In such cases, the Graduate Studies Committee must be satisfied that the student has, through teaching experience and in-service training, demonstrated a level of academic competence at least equivalent to that of a BEd degree;
- ii. at least two years of successful professional experience;
- iii. a valid professional certificate or licence from any Canadian province/territory, or an equivalent foreign certificate or licence.

Admission to a graduate course is normally based upon the same requirements as for admission to a graduate program, with exceptions needing the approval both of the Co-ordinator of Graduate Studies and the Dean of Education.

Admission to advanced courses of instruction or to the privileges of research does not imply admission to candidacy for a higher degree.

APPLICATION FOR ADMISSION

All documents pertaining to application for admission are to be sent to the Office of the Registrar.

APPLICATION FORM

Forms upon which to apply for admission may be obtained at www.upei.ca/registrar/Gradapp.pdf or from the Office of the Registrar, to which they are to be returned when completed, with the appropriate fee and supporting documentation (see above).

TRANSCRIPTS

Official transcripts or certified copies in duplicate of the applicant's complete undergraduate and graduate (if any) record to date are to be sent to the Office of the Registrar. Applicants from outside North America are strongly urged to attach official statements of the grades obtained and the subject matter included.

REFERENCE LETTERS

Letters of reference from two professors, under at least one of whom the applicant has taken a significant proportion of work, are to be sent by the professors directly to the Office of the Registrar. An acceptable alternative to one such letter is a letter from the Chair or Dean on behalf of the Department

or Faculty in which the applicant has studied, or from the employer where the applicant has recently been employed.

ENGLISH PROFICIENCY

Students are expected to be proficient in the use of English, both written and oral, when they begin their studies at the University of Prince Edward Island. The University requires that certification of such proficiency be presented by international applicants whose mother tongue is other than English or whose normal language of instruction throughout their education was other than English.

Tests of proficiency acceptable to the University, and the minimum scores that must be obtained, are listed under the **Admission Requirements for All Programs** section of the Calendar. Such students should make arrangements to take the test at least three months before the semester opening date.

REFUSAL OF ADMISSION

Limitations of funds, space, facilities, or personnel may make it necessary for the University, at its discretion, to refuse admission to an otherwise acceptable applicant.

TENTATIVE ADMISSION

Tentative Admission may be granted an applicant whose record to date is acceptable but whose application is incomplete. If the documents are satisfactory when received, the student's admission is confirmed. If unsatisfactory, admission is denied.

C) MASTER OF ARTS IN ISLAND STUDIES

In the following it must be understood that the standard of reference is the typical Canadian university curriculum and university system.

Admission to a graduate degree program as a regular student is granted, on recommendation of the Department concerned, to:

- i. the holder of a four-year honours or majors baccalaureate or its equivalent; or
- ii. a student who has satisfied the requirements for transfer from provisional student category as described below.

The minimum requirement for admission to graduate studies in the Faculty of Arts is a Bachelor's degree, or equivalent, normally of four years' duration, in an honours or majors program or equivalent from a recognized university or college. The applicant will ordinarily be expected to have achieved an average of at least second-class ("B," i.e., 70% to 79.9%) standing in the work of the last four semesters or the last two undergraduate years.

Admission to a graduate course is normally based upon the same requirements as for admission to a graduate program, with exceptions needing the approval both of the Program Administrator and of the Chair of the Department within which the student is registered.

Admission, whether as a regular, a provisional, or a special student, is in all cases based upon the recommendation of the Department concerned and is subject to the approval of the Graduate Studies Committee.

Admission to advanced courses of instruction or to the privileges of research does not imply admission to candidacy for a higher degree.

APPLICATION FOR ADMISSION

All documents pertaining to application for admission are to be sent to the Office of the Registrar.

APPLICATION FORM

Forms upon which to apply for admission may be obtained at www.upei.ca/registrar/Gradapp.pdf or from the Office of the Registrar, to which they are to be returned when completed, with the appropriate fee and supporting documentation.

D) MASTER OF APPLIED HEALTH SERVICES RESEARCH

Candidates for admission to the Masters of Applied Health Services Research program must have demonstrated high academic standing and potential for self-directed, sustained research. Normally, the basic requirements are:

- i. a Bachelor's degree of four years or a Bachelor's with honours, or equivalent professional degree, from an approved university, with a minimum GPA of 3.0 or an average of 75% or higher in the last 20 courses;
- ii. a brief statement of research and professional interests;
- iii. a brief statement describing the suitable match between the Master's Degree in Applied Health Services Research and the applicant's experiences and goals; and
- iv. three references.

Admission to a graduate course is normally based upon the same requirements as for admission to a graduate program. Admission to advanced courses of instruction or to the privileges of research does not imply admission to candidacy for a higher degree.

APPLICATION FOR ADMISSION

All documents pertaining to application for admission are to be sent to the Office of the Registrar.

APPLICATION FORM

Forms upon which to apply for admission may be obtained at www.upei.ca/registrar/Gradapp.pdf or from the Office of the Registrar, to which they are to be returned when completed, with the appropriate fee and supporting documentation.

TRANSCRIPTS

Official transcripts or certified copies in duplicate of the applicant's complete undergraduate and graduate (if any) record to date are to be sent to the Office of the Registrar. Applicants from outside North America are strongly urged to attach official statements of the grades obtained and the subject matter included.

REFERENCE LETTERS

Letters of reference from two professors, under at least one of whom the applicant has taken a significant proportion of work, are to be sent by the professors directly to the Office of the Registrar. An acceptable alternative to one such letter is a letter from a Chair or Dean on behalf of the Department or Faculty in which the applicant has studied, or from the employer where the applicant has recently been employed.

ENGLISH PROFICIENCY

Students are expected to be proficient in the use of English, both written and oral, when they begin their studies at the University of Prince Edward Island. The University requires that certification of such proficiency be presented by international applicants whose mother tongue is other than English or whose normal language of instruction throughout their education was other than English.

Tests of proficiency acceptable to the University, and the minimum scores that must be obtained, are listed under the **Admission Requirements for All Programs** section of the Calendar. Such students should make arrangements to take the test at least three months before the semester opening date.

REFUSAL OF ADMISSION

Limitations of funds, space, facilities, or personnel may make it necessary for the University, at its discretion, to refuse admission to an otherwise acceptable applicant.

TENTATIVE ADMISSION

Tentative Admission may be granted an applicant whose record to date is acceptable but whose application is incomplete. If the documents are satisfactory when received, the student's admission is confirmed. If unsatisfactory, admission is denied.

FINANCIAL ASSISTANCE

Upon acceptance into the program, every qualifying full-time student receives a grant from the Atlantic Regional Training Centre (ARTC). Tuition fees and the costs of attending the mandatory workshops will be paid by the ARTC. When students participate in their research residency, it is anticipated they will receive a monthly stipend, although this is a matter for individual organizations, and, as such, cannot be guaranteed.

NOTE: To maintain funding, Atlantic Regional Training Centre students are required to achieve a grade of "B" or better in all courses. If a student receives a B- grade, the course must be successfully repeated. If more than one failing grade is received, funding is withdrawn. Where appropriate, the graduate student regulations of the institution apply.

Academic Regulations— Graduate Programs

1. APPLICATION FOR DEGREES, DIPLOMAS, AND CERTIFICATES

Degree, Diploma, and Certificate candidates should make formal application for graduation not later than **31 October** of the academic year in which they expect to complete the requirements for their programs. This option is accessible through your UPEI Student Number and PIN number from mid-July to 31 October.

2. SUPPLEMENTALS

- a. A supplemental in a course may be written only when the final examination in the course counts for 50 percent or more of the total grade assigned for the course, or when a course requirement is that the final examination be passed in order that the course be passed; and in every case provided that a passing grade on the supplemental would give the student a passing grade in the entire course.

b. The maximum grade attainable in a supplemental and in a course in which a supplemental is written shall be a bare passing grade.

c. Supplementals are to be written at a time approved by the Professor, Chair, and Registrar. Under no circumstances will supplementals be permitted between the start of second-semester examinations and the date of Convocation.

d. Applications are to be made to the Registrar's Office.

3. SPECIAL EXAMINATIONS

Special examinations, i.e., those not covered in the section on Supplementals, are permitted only under exceptional circumstances. Application forms must be completed at the Registrar's Office and approved by the Registrar with appropriate consultation. (See also Academic Regulation 8.)

4. TRANSCRIPT ABBREVIATIONS

The following abbreviations are used on transcripts:

DISC: discontinued with permission

NC: no credit

INC: incomplete

F: failed

P: passed

PD: passed with distinction

AUD: audit

DIST: distinguished

NGS: no grade submitted

DE: deferred examination

5. TRANSFER CREDITS

Transfer of credit from post-secondary institutions is available to students who have been admitted to the University, under the following conditions:

1. Students shall receive credit for courses successfully completed at another recognized Canadian university and for which credit is given at that university, under the following conditions:

i. Courses must be acceptable in the program to which transfer is being sought either as required courses or as electives.

2. The evaluation of transcripts shall be the responsibility of the Registrar's Office in consultation with the appropriate Department and Dean.

3. The matter of transfer credits must be settled within six months of the evaluation of a transcript by UPEI.

4. No credits earned at any educational institution during the year following academic dismissal will be considered for transfer to UPEI.

6. LETTERS OF PERMISSION

Graduate students enrolled at UPEI and wishing to take courses at other institutions for credit towards their UPEI degree or diploma are advised that a Letter of Permission, approved by the student's Supervisor, Dean or Program Co-ordinator, and Registrar must be obtained in advance. Letters of Permission are issued to the host institution by the Office of the Registrar, along with a copy of the student's UPEI transcript, and are a student's guarantee that credits earned elsewhere will be transferrable to his/her academic program at UPEI subject to program requirements.

7. CHANGING AND DISCONTINUING COURSES

Changes in courses or course sections may be permitted up to a period of one week following the first day of classes in each semester. Applications for changes in courses or sections must be approved by the Department or departments concerned. "Course change" cards may be obtained at the Registrar's Office. After this one-week period, students are considered registered in the courses chosen and should not discontinue any courses without notifying the Registrar's Office and the Accounting Office. Discontinuing a course with permission after the one-week period will result in the notation "Discontinued" (DISC) on the student's transcript. Courses may be discontinued with permission up to **31 October** in the first semester and up to **28 February** in the second semester. Forms for permission to discontinue a course are available at the Registrar's Office and must be completed and returned to the Registrar's Office by the above dates.

8. FINAL EXAMINATIONS MISSED

a. Satisfactory explanation for any final examination missed must be made to the Registrar's Office within 48 hours from the time the examination was written.

b. The Department will normally require the writing of a special examination in the case of an examination which was missed.
(See also Academic Regulation 3.)

c. For explanations of sickness, a doctor's certificate may be required.

9. INCOMPLETE COURSES

a. Students who fail to complete all the components of a course, such as assignments, examinations, and laboratories, due to circumstances beyond their control (such as illness), may, with the permission of the Professor, Chair, and Dean, be granted an amount of time deemed reasonable for the completion of said components.

b. If a student does not complete all the components of a course by the agreed-upon date, normally a grade of F shall replace INC on the transcript. In cases where the component left incomplete was not a requirement for passing the course and where the student already had earned a passing grade without completing the component, the passing grade shall be submitted and shall replace INC on the transcript.

10. ACADEMIC DISHONESTY

As a community of scholars, the University of Prince Edward Island is committed to the principle of academic integrity among all its participants. Academic dishonesty as defined in this Regulation will not be tolerated and, within the constraints of this Regulation and Academic Regulation 14, the University supports instructors in their efforts to deal effectively with cases as they may arise from time to time.

a. Actions which constitute academic dishonesty are considered an offence within the University and include:

1. plagiarism, which occurs when a student submits or presents work of another person in such a manner as to lead the reader to believe that it is the student's original work; self-plagiarism is the submission of work previously submitted for academic credit without prior approval of the professor;

2. cheating on tests or examinations, including giving false reasons for absence;
3. falsifying records or submitting false documents, including falsifying academic records, transcripts, or other University documents, or misrepresenting one's credentials; and
4. other academic misconduct, such as the unauthorized use of recording devices or the unauthorized acquisition of computer software or other copyright material.

b. When there is reasonable evidence to support an allegation of academic dishonesty, the matter shall be discussed with the student at the earliest opportunity. A written record of the incident and the response of the University will be sent to the student and to the appropriate Chairperson and Dean, and will be placed by the Dean on the student's file in the Office of the Registrar.

c. One or more of the following sanctions may be imposed, depending on the seriousness of the offence:

1. the instructor, within his/her authority for assignment of course grades, may impose:
 - i. a reprimand;
 - ii. assignment of a mark of zero or a failure for the piece(s) of work under review;
 - iii. assignment of a grade of "F" in the course in which the offence was committed;
 - iv. suspension of privileges in cases where the offences have involved misuse and/or abuse of the library, computer, or other University resources;
2. the Dean, in consultation with the Department where appropriate, may recommend to the President suspension or expulsion from the University;
3. the President may impose suspension or expulsion from the University; or
4. the Senate may withhold or revoke a degree, diploma, or certificate.

d. The student has the right to appeal through the provisions of Academic Regulation 14.

II. RE-READING OF EXAMINATIONS

- a. Application to have any paper re-read must be made to the Registrar within one month after recording of results.
- b. Such an application must be supported by a substantial reason in writing. Forms are provided.
- c. Students who intend to appeal a course grade are cautioned that failing grades have been checked very carefully and, barring a clerical error, appeals seldom result in higher grades.

12. AUDITING COURSES

- a. To audit a course is to attend lectures without being responsible for doing assignments or writing

examinations. No credit is given for a course taken in this manner, but courses audited will be recorded on a student's transcript.

b. To audit a course, a student needs the permission of the Department and the instructor, and must pay an auditing fee.

c. Unless a full-time student is eligible for an extra course, he or she shall not be permitted to change from auditing a course to taking it for credit. If eligible, the student's request must be received by the appropriate Department and Dean no later than one month from the day classes begin and the decision is to be communicated to the Registrar's Office.

d. Part-time students seeking to change from auditing to credit must also make their request to the Department and Dean no later than one month from the day classes begin and the decision is to be communicated to the Registrar's Office.

e. The same procedure and time limit apply to students wishing to change from credit to audit.

13. APPLICATION OF REGULATIONS

In the application of these academic regulations, students shall have access to a fair and just hearing subject to appeal.

14. APPEALS

a. Notice of appeal on any matter must be made in writing within one week of the date on which the decision is handed down, unless the decision-making body has internal regulations allowing later appeals. In every case, it is the appellant's responsibility to ascertain the time allowed for filing notice of appeal.

b. Any appeal on an academic matter shall normally be made to the Department Chair concerned who should consult within the Department before arriving at a decision.

c. The Department Chair's decision may be further appealed, in writing, within two weeks of the decision being rendered, to the Dean of the Faculty who shall name a committee to consider the appeal.

d. Decisions on final course grades may be further appealed, in writing, within one month of being rendered, through the Registrar to the Senate Committee on Student Academic Appeals. Appeals of decisions on academic matters other than grades are to be directed to this Committee through the Registrar. All decisions of this Committee shall be final unless appeal is made to the Board of Governors in keeping with the terms of the University Act.

15. AMENDMENTS TO REGULATIONS

The University reserves the right to add to, alter, or amend these regulations at any time.

16. EVALUATION OF TRANSCRIPTS

a. The evaluation of transcripts shall be the responsibility of the Registrar's Office in consultation with the appropriate Department and Dean.

b. The matter of transfer credits must be settled within six months of the evaluation of a transcript by UPEI.

17. RESTRICTIONS ON TESTING

No tests or examinations of any kind are to be held during the two-week period preceding the final day of classes, nor during any reading period, without the permission of the Chair and the appropriate Dean.

18. DOUBLE-SCHEDULING

Students are not permitted to schedule themselves into two courses that are offered during the same time period, or that overlap.

19. REPEATING COURSES

a. While University policy permits passed courses to be repeated, students should be aware that marks obtained in such instances shall not be used in the determination of awards or scholarships administered by the University; and where enrolment restrictions apply, preference will be given to those taking the course for the first time. The grade received in the second attempt shall normally be the grade for which credit is given. Students considering repeating a passed course are advised to consult first with the Chair of the Department concerned and the Dean of the Faculty or School.

b. No course, once taken, passed, and applied for credit towards a degree or diploma, may, if retaken, be applied for credit towards any other degree or diploma earned at the University.

c. Except as otherwise stated in program regulations, no student will be allowed to take the same course more than three times, or to be examined in the same course more than four times, unless by permission of the Dean of the Faculty or School in which the course is offered.

f. Doctor of Philosophy (PhD): degree granted for successful completion of the requirements for the Doctor of Philosophy degree as listed in the regulations.

g. Graduate Studies Committee: standing committees of the Faculties appointed by the respective Deans to oversee and review the graduate programs. In the Faculty of Veterinary Medicine, this role is filled by the Graduate Studies and Research Committee.

Mandate with respect to Graduate Studies includes:

- i. to establish and periodically to review the goals and objectives of the graduate studies programs within each Faculty;
- ii. to review all applications from prospective graduate students and recommend acceptance or rejection;
- iii. to make recommendations concerning creation, deletion or modification of graduate programs and courses;
- iv. to develop and review program and thesis guidelines for graduate programs;
- v. to review academic records of graduate students and recommend to the Dean the awarding of degrees or courses of action for substandard performance;
- vi. to recommend changes to the Graduate Studies Academic Calendar; and
- vii. to review all recommendations from department chairs for the appointment of graduate faculty and recommend acceptance or rejection.

h. Graduate faculty: members of the Faculties who participate in the graduate programs are described herein as graduate faculty. Such members are assigned their duties by the Dean of the Faculty on the recommendation of a Department Chair and the Graduate Studies Committee. From time to time, faculty members are drawn from other Faculties, and Adjunct Professors may be recommended as graduate faculty and may serve on graduate student Supervisory Committees as a result of particular expertise related to a particular project.

Normally, graduate faculty in the Faculty of Veterinary Medicine will have a Bachelor's degree or a Doctor of Veterinary Medicine degree, as well as a Master's degree or a Doctor of Philosophy degree or Board Certification. Graduate faculty in Arts and Science will normally have a Doctor of Philosophy degree.

i. Program Administrator: the individual within each of the Faculties who has administrative responsibility for the co-ordination of graduate programs and who chairs the respective Graduate Studies Committee. In the Faculty of Veterinary Medicine, this person is the Associate Dean, Graduate Studies and Research. In the Faculties of Arts and Science respectively, it is the Co-ordinator of Graduate Studies.

j. For the purpose of these regulations, the term "semester" includes, in addition to first and second

General Regulations

A) MASTER OF SCIENCE, MASTER OF VETERINARY SCIENCE, MASTER OF ARTS, DOCTOR OF PHILOSOPHY, AND POSTGRADUATE DIPLOMA IN PATHOLOGY OR MICROBIOLOGY

i. GLOSSARY OF TERMS

a. Faculties: Faculty of Veterinary Medicine, Faculty of Arts, and Faculty of Science.

b. Master of Arts (MA): degree granted for successful completion of the requirements for the Master of Arts degree as listed in the regulations.

c. Master of Science (MSc): degree granted for successful completion of the requirements for the Master of Science degree as listed in the regulations.

d. Postgraduate Diploma (PGD): diploma granted for successful completion of the requirements for the Postgraduate Diploma as listed in the regulations.

e. Master of Veterinary Science (MVSc): degree granted for successful completion of the requirements for the Master of Veterinary Science degree as listed in the regulations.

semester as defined in the Calendar, the period from May to August in each year as a third semester.

2. ENROLMENT AND REGISTRATION

Regular and Provisional Students Each regular or provisional student will enrol in a program of study in the jurisdiction of a single academic department of the Faculties. The student will be identified with a single department, in which he or she is deemed to be registered. The Department so identified will normally be the Department of which the Supervisor is a member.

In the case of the MA in Island Studies, the student will be deemed to be registered in an interdisciplinary Master of Arts program with the Dean of Arts taking the place of the Department Chair.

Registration Procedure Before the beginning of the semester, the in-course student shall file in the Office of the Registrar an Academic Registration setting out the program of studies for that semester. The form must be approved in the Department concerned before it is submitted. New students are expected to follow the same procedures, but where this is not possible their registration may be delayed until the Last Date for Registration as announced in the Calendar.

Student identification cards, which are used for identification and for library purposes, are obtained upon initial registration, and are validated at the Sports Centre at the beginning of each subsequent semester. Loss or theft of an identification card must be reported.

The registration procedure must be completed within the dates set in the Calendar.

Students taking undergraduate courses must have completed their registration by the date of registration for undergraduate students.

Registration Changes Changes of registration (deletion or addition of courses) must be made only on the recommendation of the student's Supervisory Committee. A proposal to add a course must bear the signature of the instructor concerned. Except where credits are granted for courses taken at other universities, credits will be given only for courses listed in the registration form or authorized through an official change of registration.

Continuity of Registration Graduate students must be registered in each semester in which they are actively engaged in course work or in the research program; that is, whenever they are making use of University facilities or personnel, in connection with their work.

Graduate students, upon being admitted to the program, are required to register in every semester thereafter until their work is completed. Failure to register will be regarded as withdrawal from graduate studies at this university.

Students who wish to resume their studies must apply for readmission; if readmitted, they will be required to conform to current regulations.

Notwithstanding the foregoing, a regular student may make prior arrangements, with the approval of the Department and of the Program Administrator, and after consultation with the Registrar's Office, to pursue full-time studies at another approved university for a period of time.

A student who has not completed all the requirements for the degree by the due date for thesis submission in a particular semester must reregister. Candidates must be registered in the semester in which they qualify for the degree.

In the case of conjoint or collaborative graduate programs within UPEI or with other universities, arrangements will be made to ensure that the students involved are not placed at a disadvantage in respect of continuity of registration.

Cancellation of Registration A student who wishes to withdraw from the University is expected to consult with the Department Chair prior to submitting the "withdrawal form" to the Registrar's Office, the Accounting Office, and the Office of the Program Administrator.

In the event that a student fails to obtain satisfactory standings or to make satisfactory progress either in course work or in research, the Dean on the advice of the Graduate Studies Committee may require the student to withdraw. Registration will be cancelled as of a date set by the Committee, and an appropriate refund of fees made.

A student who withdraws from the University must return all outstanding loans from the Library prior to withdrawal, regardless of the due date. Any items not returned will be declared "lost," and will be charged to the student's account. This procedure is required practice even though in his or her new capacity as an outside borrower, the ex-student may wish to borrow the same or other books.

3. SUPERVISION

Departmental Supervision The student's program is established and progress kept under review by the appropriate department or in the case of the interdisciplinary MA in Island Studies, by the Dean of Arts and Program Administrator. The Department will establish a Supervisory Committee consisting of a minimum of three (Faculty of Science) or four (Faculty of Veterinary Medicine) graduate faculty to assist with the supervision of the program. At the discretion of that academic unit, the day-to-day responsibility for overseeing the student's program will rest with the Supervisor; two Co-Supervisors or jointly with the Supervisory Committee. In the case of co-supervision, one of the co-supervisors must be a member of the Department in which the student is enrolled and is hereafter referred to as the "Supervisor." The Supervisor will normally have, at minimum, a degree equivalent to that for which the student is registered, and be from the Department in which the student is enrolled.

In the **Faculty of Veterinary Medicine**, the Chair of the Supervisory Committee is the Department Chair (or designate), and in no case shall the Committee be chaired by the graduate student's Supervisor. In addition, at least one member of the Supervisory Committee must be from a department other than that in which the student is registered.

In the **Faculty of Science**, the Supervisory Committee is composed of the Supervisor, and at least two other graduate faculty members, at least one of whom must be from the Department in which the student is registered. All members of the Supervisory Committee must be able to participate actively during the program.

In the **Faculty of Arts**, the Supervisory Committee is composed of the Supervisor, and at least two other graduate faculty members familiar with the academic discipline(s) of

study. All members of the supervisory committee must be able to participate actively during the program.

Supervisory Committee In all cases, except the PGD program, the program of a graduate student is established and supervised by the Supervisory Committee, all of whom must be graduate faculty. Once the Supervisory Committee has been approved, no changes may be made in its membership without the written approval of the Graduate Studies Committee.

Establishment of Program After examining the student's academic record, due account being taken of all relevant courses passed at any recognized university or college, and in the light of a Placement Examination if so desired, the Supervisory Committee will arrange a program appropriate for the degree. The program will include prescribed studies on the basis of which the candidate's final standing will be determined; and it may include additional courses either chosen by the student or specified by the Supervisory Committee. The program established by the Supervisory Committee must be submitted to the Program Administrator within 60 days of the student's first registration date for approval by the Graduate Studies Committee.

Changes in Program Once the program of courses is established, changes may be made subject to the approval of the Supervisory Committee and the Graduate Studies Committee.

Transfer of Academic Credit On the recommendation of the Supervisor and with the approval of the Department Chair and the Program Administrator, a graduate student may take, and receive credit for, courses at another university. The arrangements for these courses must be made through the Registrar's Office. The maximum number of credits that may be taken at other universities will be 50% of the total program requirements.

Review of Progress The Department in which the student is enrolled is responsible for reviewing the academic record and progress of each student at least twice a year and reporting on that progress to the Program Administrator. If problems are identified which necessitate changes to the student's approved program, these may only be made with the approval of the Graduate Studies Committee.

4. GRADES SCHEDULE

In the courses which comprise a part of the student's program, standings will be reported according to the following schedule of grades:

First-class standing:
80 per cent and higher

Second-class standing:
70 to 79.9 per cent inclusive

Pass standing:
60 to 69.9 per cent inclusive

F: a graduate student who receives a grade of less than 60 per cent in any course (graduate or undergraduate, prescribed or additional) is deemed to have failed the course.

INC: students who fail to complete all components of a course, such as assignments, examinations, and laboratories, due to

circumstances beyond their control (such as illness) may, with the permission of the Professor, Chair, and Dean, be granted an amount of time deemed reasonable for the completion of said components.

If a student does not complete all the components of a course by the agreed-upon date, normally a grade of **F** shall replace **INC** on the transcript. In cases where the component left incomplete was not a requirement for passing the course and where the student already has earned a passing grade without completing the component, the passing grade shall be submitted and shall replace **INC** on the transcript.

AUD: an "audited" course (additional courses only)

DISC: discontinued with permission

Some seminar courses are graded as Pass/Fail.

In the thesis, percentage grades as above are not required; instead the work is reported as either satisfactory or unsatisfactory. The term **Distinguished (DIST)** is reserved for use when both the thesis and the defence are of exceptionally high quality.

5. THE THESIS

Submission of Thesis or Project Report When the thesis, or project report, in its final form, has been prepared after the final oral examination, the candidate will bring six unbound copies to the Office of the Program Administrator no later than three weeks prior to Convocation. Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.

When accepted by the Program Administrator, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Department in which the student was registered. A third copy will be released to the student's supervisor and three copies will be released to the student.

Publication of Thesis The University requires publication of the thesis in the following manner:

One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in *Canadiana* as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming.

Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Thesis Examination, to be signed and submitted to the Program Administrator immediately after the successful completion of the Examination.

Circulation & Copying of Thesis or Project Report

The candidate, in consultation with the Supervisor and the Department Chair, shall have the right to request that

circulation and/or copying of the thesis or project report in any form be withheld for up to one year.

In normal circumstances, as a condition of engaging in graduate study in the University, the author of a thesis or project report grants certain licences and waivers in respect of the circulation and copying of the thesis or project report:

1. to the University Librarian—a waiver permitting the circulation of the thesis or project report as part of the Library collection;
2. to the University—a licence to make single copies of the thesis or project report under carefully specified conditions;
3. to Library and Archives Canada—a licence to microfilm the thesis or project report under carefully specified conditions.

Copyright Copies of the thesis or project report shall have on the title page the words “In partial fulfilment of requirements for the degree of Master of Science” or “In partial fulfilment of the requirements for the degree of Master of Veterinary Science” or “In partial fulfilment of the postgraduate diploma in Pathology or Microbiology” or “In partial fulfilment of the requirements for the degree of Doctor of Philosophy.” The International copyright notice, which consists of three elements in the same line—(a) the letter “C” enclosed in a circle, (b) the name of the copyright owner (the student), and (c) the year—should appear as a bottom line on the title page of the thesis or project report.

Retention/Maintenance of Records In the interests of good scholarly practice and in order to substantiate claims to intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, laboratory records, or other documentation, as appropriate to the discipline.

Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication or by way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.

Unacceptable Thesis or Project Report If a candidate is unable to prepare an acceptable thesis or project report, the Supervisory Committee will so report to the graduate faculty of the Department (sending to the candidate a copy of the report). The Department Chair will notify the Program Administrator.

6. GRADUATION

Graduate students should make formal application for graduation not later than 31 October of the academic year in which they expect to complete their requirements for their programs. This option is accessible through the UPEI student number and PIN.

On termination of the graduate program, the student’s University card must be submitted for invalidation at the Security Office.

Transcripts of Records Certified official transcripts of the student’s academic record are available through the Registrar’s Office. Only individually signed copies are official. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student.

Department Regulations Individual departments may have specified regulations additional to those set out herein. The student is responsible for consulting the Department concerning any such regulations.

B) MASTER OF EDUCATION

1) GLOSSARY OF TERMS

a. Master of Education (MEd): degree granted for successful completion of the requirements for the Master of Education degree as listed in the regulations.

b. Graduate Studies Committee: a standing committee of the Faculty of Education appointed by the Dean, and whose mandate is the following:

- i. to establish and periodically to review the goals and objectives of the graduate studies and research programs of the Faculty of Education;
- ii. to review all applications from prospective graduate students and recommend acceptance or rejection;
- iii. to make recommendations to the Dean concerning creation, deletion, or modification of graduate programs and courses;
- iv. to direct the co-ordination of graduate courses and research in the Faculty of Education;
- v. to review academic records of graduate students and recommend to the Dean the awarding of a degree, or courses of action in the event of substandard performance;
- vi. to prepare the Graduate Studies Academic Calendar for approval by Senate; and
- vii. to evaluate, and recommend to the Dean, the faculty to serve as members of the graduate faculty.

c. Graduate faculty: members of the Faculty of Education who participate in the graduate program are described herein as graduate faculty. Such members are assigned their duties by the Dean of Education on the recommendation of the Co-ordinator of Graduate Studies and the Graduate Studies Committee.

From time to time, faculty members drawn from other Faculties may be recommended as graduate faculty. Similarly, Adjunct Professors may serve on graduate student Supervisory Committees as a result of particular expertise related to a particular project. Normally, graduate faculty will have a Doctorate in Education.

d. Co-ordinator of Graduate Studies: has administrative responsibility for the co-ordination of graduate programs and research in the Faculty of Education and is Chair of the Graduate Studies Committee.

e. Supervisory Committee: a committee of the Faculty of Education responsible for the supervision of a student's research. Normally, the committee for each student consists of two members of the Faculty of Education, one of whom serves as the student's supervisor. If a member of the Supervisory Committee is requested who has an appointment in another UPEI Faculty or at another university, approval must be given by the Education Graduate Studies Committee.

f. For the purpose of these regulations, the term “**semester**” includes, in addition to first and second semester as defined in the calendar, the period from May to August in each year as a third semester.

g. Description of Graduate Students

Regular Student An applicant who has met the admission requirements set out above.

Special Student A student who is not enrolled in a degree or diploma program at this University is recorded as a Special Student. Normally, such students register for not more than one or two graduate courses with the permission of the instructor; in unusual circumstances, a special student may participate in research, but only with the permission of the Co-ordinator of Graduate Studies and the Dean of Education. Graduate courses taken by special students may subsequently be considered for credit towards a graduate degree only with the approval of the Graduate Studies Committee. A student who wishes to register as a Special Student should contact the Co-ordinator of Graduate Studies at the Faculty of Education before applying for admission.

2. ENROLMENT AND REGISTRATION

Procedures Applicants must receive formal notification from the Office of the Registrar that they have been accepted into the program before registering as graduate students.

Before the beginning of the semester, each student shall file in the Office of the Registrar an Academic Registration setting out the program of studies for that semester. The form must be approved by the Co-ordinator of Graduate Studies before it is submitted.

Student identification cards, which are used for library purposes, are obtained upon initial registration, and are validated at the Robertson Library at the beginning of each subsequent semester. Loss or theft of an identification card must be reported.

The registration procedure must be completed within the dates set in the Calendar.

Students taking undergraduate courses must have completed their registration by the date of registration for undergraduate students.

Registration Changes Changes in registration (deletion or addition of courses) must be approved by the Graduate Studies Committee. A proposal to add a course must bear the signature of the instructor concerned.

Except where credits are granted for courses taken at other universities, credits will be given only for courses listed in the registration form or authorized through an official change of registration.

Continuity of Registration Graduate students must be registered in each semester in which they are actively engaged in course work or in the research program; that is, whenever they are making use of University facilities or personnel in connection with their work.

Once admitted to the program, normally each student is required to register for, and complete, at least one course in each of the two semesters of the academic year. In exceptional circumstances, this requirement may be waived by the Dean. A student who fails to register as required will be considered to have withdrawn from the MED program and will be required to apply formally for readmission. If a student has prior permission from the Dean of Education to miss a semester, the student must reapply but is not assessed any additional fee.

Notwithstanding the foregoing, a regular student may make prior arrangements, with the approval of the Faculty and of the Co-ordinator of Graduate Studies, and after consultation with the Registrar's Office, to pursue full-time studies at another approved university for a period of time.

A student who has not completed all the requirements for the degree by the due date for the thesis submission in a particular semester must reregister. Candidates must be registered in the semester in which they qualify for the degree. Normally, students must complete the degree within six years of first registering in the program.

In the case of conjoint or co-operative graduate programs within UPEI or with other universities, arrangements will be made to ensure that the students involved are not placed at a disadvantage in respect of continuity of registration.

Cancellation of Registration A student who wishes to withdraw from the program is expected to consult with the Dean of the Faculty of Education prior to completing the “withdrawal form” at the Office of the Registrar.

In the event that a student fails to obtain satisfactory standings or to make satisfactory progress either in course work or in research, the Dean on the advice of the Graduate Studies Committee may require the student to withdraw. Registration will be cancelled as of a date set by the Graduate Studies Committee, and an appropriate refund of fees made.

A student who withdraws from the University must return all outstanding loans from the Robertson Library prior to withdrawal, regardless of the due date. Any items not returned will be declared “lost,” and will be charged to the student's account. This procedure is required practice even though in his or her new capacity as an outside borrower the ex-student may wish to borrow the same or other books.

3. SUPERVISION

Faculty Supervision The student's program is established and progress kept under review by the Graduate Studies Committee. The day-to-day responsibility for overseeing the student's program will rest with the Co-ordinator of Graduate Studies or jointly with the Graduate Studies Committee.

Establishment of Program After examining the student's academic record, due account being taken of all relevant courses passed at any recognized university or college, the Graduate Studies Committee will establish a program appropriate for the degree. The program will include prescribed studies on the basis of which the candidate's final

standing will be determined, and it may include additional courses either chosen by the student or specified by the Graduate Studies Committee.

Program Once the program of courses is established, changes may be made subject to the approval of the Graduate Studies Committee and reported to the Co-ordinator of Graduate Studies.

Academic Credit from Outside the Program Students, upon the recommendation of the Graduate Studies Committee and subsequent written approval of the Dean of Education, may take and receive credit for up to nine semester-hours of elective course work outside of the program. No more than six semester-hours of course work at the 400 level may be from other UPEI programs, or at the equivalent level in programs at other recognized universities. All other course work must be at least at the 500 level, or equivalent. The arrangements for these courses must be made through the Registrar's Office.

Review of Progress At the end of each semester, the academic record and progress of each student will be reviewed by the Graduate Studies Committee, and a report thereon will be submitted by the Co-ordinator of Graduate Studies to the Dean of Education. If a student fails a course or a required examination, the Graduate Studies Committee will recommend appropriate action to the Dean of Education. Only by authority of the Dean of Education may a further privilege of any kind be extended.

4. GRADES SCHEDULE

INC: A student who fails to complete all components of a course, such as assignments, examinations, and fieldwork, due to circumstances beyond his/her control (such as illness), may, with the permission of the professor and the Dean, be granted an amount of time deemed reasonable for the completion of said components.

If a student does not complete all the components of a course by the agreed-upon date, normally a grade of **F** shall replace **INC** on the transcript. In cases where the component left incomplete was not a requirement for passing the course and where the student already has earned a passing grade without completing the component, the passing grade shall be submitted and shall replace **INC** on the transcript.

AUD: an "audited" course (additional courses only)

DISC: discontinued with permission

Seminar courses are graded as Pass/Fail.

In the thesis the work is reported as either satisfactory or unsatisfactory. The term **Distinguished (DIST)** is reserved for use when both the thesis and the defence are of exceptionally high quality.

5. THE THESIS

Research Normally, the equivalent of 18 months of continuous study must be devoted to research in fulfilment of the thesis requirement. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the Graduate Studies Committee. Research involving human subjects must be approved by the University's Research Ethics Committee.

Retention/Maintenance of Records In the interests of good scholarly practice and in order to substantiate claims of

intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.

Unacceptable Thesis If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Dean (sending to the student a copy of the report).

6. GRADUATION

Every candidate for an advanced degree is responsible for making application to the Registrar's Office for graduation. The application must be filed when the thesis is submitted to the Co-ordinator of Graduate Studies, not later than the last date for thesis submission for the Convocation concerned. The Graduation List will be based upon these applications.

Transcripts of Records Official transcripts of the student's academic record are available through the Registrar's Office. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student.

C) MASTER OF APPLIED HEALTH SERVICES RESEARCH

The Master of Applied Health Services Research program is designed to prepare graduates from diverse disciplines and backgrounds with the necessary skills to tackle the complex health policy issues facing us today and in the future. The overall aim of the program is to promote and support health services scholarship and research capacity.

Graduates from this interdisciplinary Master's program are expected to achieve the following learning objectives:

- independently undertake health services research;
- design, supervise, and evaluate projects;
- critically evaluate health services research literature;
- employ innovative approaches in health services research through understanding diversity in decision-making environments and processes;
- communicate health research issues and results clearly and responsibly to decision-makers, academics, professionals, and to the general public; and
- integrate and synthesize health services research results across all disciplines.

1. GLOSSARY OF TERMS

a. Master of Applied Health Services Research: degree granted for successful completion of the requirements for the Master of Applied Health Services Research degree as listed in the regulations.

b. Graduate Studies Committee: a committee of two faculty members appointed to oversee the student's research by the Children's Health Applied Research Team (CHART).

c. Children's Health Applied Research Team

(CHART): a multi-disciplinary group of researchers who are researching children's health issues whose mandate it is:

- i. To establish and periodically to review the goals and objectives of the graduate students' studies and research;
- ii. To review all applications from prospective graduate students and recommend acceptance or rejection;
- iii. To make recommendations to the Senate concerning creation, deletion, or modification of graduate program and courses;
- iv. To review academic records of graduate students and recommend to the Senate the award of a degree or courses of action in the event of substandard performance.

d. Graduate faculty Members of CHART who participate in the graduate program are described herein as graduate faculty.

Adjunct Professors may serve on graduate student Supervisory Committees as a result of particular expertise related to a particular project. Normally, graduate faculty will have a Doctorate degree.

- i. **Supervisory Committee:** A committee of two faculty responsible for the supervision of a student's research. Normally, the committee for each student consists of two faculty members, one of whom serves as the student's supervisor.

e. For the purpose of these regulations, the term "**semester**" includes, in addition to first and second semester as defined in the calendar, the period from May to August in each year as a third semester.

f. Description of Graduate Students

Regular Student An applicant who has met the admission requirements set out above.

Special Student A student who is not enrolled in a degree or diploma program at this university is recorded as a Special Student. Normally such students register for not more than one or two graduate courses with the permission of the instructor; in unusual circumstances, a special student may participate in research, but only with the permission of the co-ordinator of the Children's Health Applied Research Team.

2. ENROLMENT AND REGISTRATION

Procedures Applicants must receive formal notification from the Office of the Registrar that they have been accepted into the program before registering as graduate students. Before the beginning of the semester, each student shall file in the Office of the Registrar an Academic Registration setting out the program of studies for that semester. The form must be approved by the Children's Health Applied Research Team before it is submitted.

Student identification cards, which are used for library purposes, are obtained upon initial registration, and are validated at the Robertson Library at the beginning of each subsequent semester. Loss or theft of an identification card must be reported.

The registration procedure must be completed within the dates set in the Calendar.

Students taking undergraduate courses must have completed their registration by the date of registration for undergraduate students.

Registration Changes Changes in registration (deletion or addition of courses) must be approved by the Children's Health Applied Research Team. A proposal to add a course must bear the signature of the instructor concerned.

Continuity of Registration Graduate students must be registered in each semester in which they are actively engaged in course work or in the research program; that is, whenever they are making use of University facilities or personnel, in connection with their work.

Once admitted to the program, normally each student is required to register for, and complete, at least one course in each of the two semesters of the academic year. In exceptional circumstances this requirement may be waived by the Children's Health Applied Research Team. A student who fails to register as required will be considered to have withdrawn from the Master of Applied Health Services Research program and will be required to apply formally for readmission.

Notwithstanding the foregoing, a regular student may make prior arrangements, with the approval of the Children's Health Applied Research Team, and after consultation with the Registrar's Office, to pursue full-time studies at another approved university for a period of time.

A student who has not completed all the requirements for the degree by the due date for the thesis submission in a particular semester must reregister. Candidates must be registered in the semester in which they qualify for the degree. Normally, students must complete the degree within six years of first registering in the program.

In the case of conjoint or cooperative graduate programs within UPEI or with other universities, arrangements will be made to ensure that the students involved are not placed at a disadvantage in respect of continuity of registration.

Cancellation of Registration A student who wishes to withdraw from the program is expected to consult with the Children's Health Applied Research Team prior to completing the "withdrawal form" at the Office of the Registrar. In the event that a student fails to obtain satisfactory standings or to make satisfactory progress either in course work or in research, the Children's Health Applied Research Team may require the student to withdraw. Registration will be cancelled as of a date set by the Children's Health Applied Research Team, and an appropriate refund of fees made.

A student who withdraws from the University must return all outstanding loans from the Robertson Library prior to withdrawal, regardless of the due date. Any items not returned will be declared "lost," and will be charged to the student's account. This procedure is required practice even though in his or her new capacity as an outside borrower the ex-student may wish to borrow the same or other books.

3. SUPERVISION

Faculty Supervision The student's program is established and progress kept under review by the Children's Health Applied

Research Team. The day-to-day responsibility for overseeing the student's program will rest with the student's supervisor.

Establishment of Program After examining the student's academic record, due account being taken of all relevant courses passed at any recognized university or college, the Children's Health Applied Research Team will establish a program appropriate for the degree. The program will include prescribed studies on the basis of which the candidate's final standing will be determined, and it may include additional courses either chosen by the student or specified by the Children's Health Applied Research Team.

Program Once the program of courses is established, changes may be made subject to the approval of the Children's Health Applied Research Team.

In the first semester, students gain a broad range of applied health services research through course work in the Canadian Health System; Ethical Foundations of Applied Health Research; and an introductory course in Research and Evaluation Design and Methods. The second semester focuses on health care research through course work in Qualitative and Quantitative research methods, Health Policy, and the Determinants of Health.

Between the second and third semesters, students undertake a four-month research residency with a decision-making organization. The residency is designed to provide hands-on research and decision-making experience; to develop an understanding of how knowledge is transferred between the academic community and decision-makers; and to discover whether projects undertaken are of sufficient interest to the student and the host organization to merit further investigation as a thesis research topic.

In the fourth semester, students learn about knowledge transfer and research uptake and continue to develop research skills by specializing in either qualitative or quantitative research approaches. Preparation of a research proposal leading to the commencement of the thesis is a main course requirement of these advanced methods courses.

In the fifth and sixth semesters, students continue to work on their thesis, culminating in an academic defence. Students are also required to make a public presentation of their thesis research targeted to decision-makers.

Workshops Twice a year, normally at the end of the Fall and Winter terms, students and Faculty will join with health services decision-makers for week-long thematic Workshops. These thematic workshops are designed to facilitate learning in a collegial environment that explores the transfer of knowledge between researchers and institutional health policy and decision-making.

Review of Progress At the end of each semester, the academic record and progress of each student will be reviewed by the Children's Health Applied Research Team.

4. GRADES SCHEDULE

INC: A student who fails to complete all components of a course, such as assignments, examinations and fieldwork, due to circumstances beyond his/her control (such as illness), may, with the permission of the professor and the Dean, be granted an amount of time deemed reasonable for the completion of said components.

If a student does not complete all the components of a course by the agreed-upon date, normally a grade of **F** shall replace **INC** on the transcript. In cases where the component left incomplete was not a requirement for passing the course and where the student already has earned a passing grade without completing the component, the passing grade shall be submitted and shall replace **INC** on the transcript.

AUD: an "audited" course (additional courses only)

DISC: discontinued with permission

Seminar courses are graded as letter grades.

In the thesis the work is reported as either satisfactory or unsatisfactory. The term **Distinguished (DIST)** is reserved for use when both the thesis and the defence are of exceptionally high quality.

5. THE THESIS

Research Normally, the equivalent of 12 months of continuous study must be devoted to research in fulfilment of the thesis requirement. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the Graduate Studies Committee. Research involving human subjects must be approved by the University's Research Ethics Committee.

Retention/Maintenance of Records In the interest of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.

Unacceptable Thesis If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and to the Children's Health Applied Research Team (sending to the student a copy of the report).

6. GRADUATION

Graduate students should make formal application for graduation not later than **31 October** of the academic year in which they expect to complete their requirements for their programs. This option is accessible through the UPEI student number and PIN. On termination of the graduate program, the student's University card must be submitted for invalidation at the Security Office.

Transcripts of Records Official transcripts of the student's academic record are available through the Registrar's Office. Transcripts will be sent to other universities, to prospective employers, or to others outside the University, only upon formal request by the student.

Master of Science (MSc)

www.upei.ca/avc/graduate.htm

CHEMISTRY GRADUATE STUDIES

www.upei.ca/chemistry/msc.html

BIOLOGY GRADUATE STUDIES

www.upei.ca/-biology/masters/MScBiology.htm

A) STRUCTURE OF THE PROGRAM

The MSc degree of the University of Prince Edward Island requires the demonstration of a reasonable mastery of a concentrated field of study. The latter is attested by the achieving of satisfactory standings in the minimum number of graduate courses required by the respective Faculty, the completion of a research project, and the writing of a thesis based upon the research.

The graduate students will register in one of the six academic departments listed below and in one of the designated areas of specialization:

Department of Biomedical Sciences

Behavioural Sciences
Pharmacology and Toxicology
Developmental Biology
Physiology

Department of Pathology and Microbiology

Morphologic Pathology
Clinical Pathology
Parasitology
Virology
Bacteriology
Public Health
Immunology
Fish Health

Department of Companion Animals

Medicine
Surgery
Anesthesiology
Radiology

Department of Health Management

Medicine
Surgery
Theriogenology
Epidemiology
Animal Science and Animal Nutrition
Fish Health

Department of Biology

Ecology & Wildlife Biology
Plant Science
Molecular Genetics & Biotechnology
Neurobiology & Stroke
Cancer Cell Biology, Vascular Cell Biology

Department of Chemistry

Inorganic Chemistry
Organic Chemistry
Physical Chemistry
Bioorganic Chemistry & Biotechnology

There will be considerable interaction and cooperation among the departments to provide courses and research facilities to meet the needs of individual students and their research projects.

In addition to the “General Regulations for Graduate Programs,” described above, the following regulations apply specifically to the Master’s degree:

Residency Requirements Normally, at least two semesters of full-time study in residence at the University must be devoted to the Master’s program if the student is admitted as a regular student. For a regular student admitted to a part-time study program, the residency period is based on the equivalence of three part-time semesters to one full-time semester. A student, admitted as a provisional student requiring two semesters in that category, must spend at least one additional semester as a regular full-time student to meet the residency requirement. Upon completion of the residency requirement the student is then eligible to become a candidate for the MSc degree.

Normally, the thesis must be formally submitted or the program be otherwise complete within forty-eight months of the completion of the residency requirement. Departure from these normal requirements requires approval from the Graduate Studies Committee.

B) COURSES

Prescribed Studies The proportion of weight attached to the research and thesis may vary, even within a department. Accordingly, the number of courses and/or general examinations may correspondingly vary. In no case, however, will the minimum requirements be less than those outlined in the following two paragraphs. For graduate credit, the courses selected must be acceptable to the Department and the Graduate Studies Committee. The candidate must maintain an average grade of at least a B standing (see Grades in General Regulations section) in the substantive courses outlined below in order to maintain registration in the program.

In the Faculty of Veterinary Medicine, substantive courses are graduate level courses assigned a minimum of two credit hours. Students are required to complete courses totalling a minimum of 12 credit hours. Within this course complement there must be at least four substantive courses and the appropriate departmental Seminar course (one credit). Only one of the substantive courses may be a Directed Studies Course. All students are expected to complete VHM 801 (Veterinary Biostatistics) and VPM 861 (Essentials of Animal Experimentation) unless comparable training has been completed prior to entry into the program.

In the Faculty of Science, students are required to take a minimum of three graduate level courses, all of which are to be regarded as substantive. A Seminar course (BIO 890 or CHEM 890) is required. Students may take only one Directed Studies course (BIO 881, CHEM 881, VAP 881-882, VCA 881-882, VHM 881-882, or VPM 881-882) for credit. Students lacking an Honours degree or background in one or more area may, at the discretion of the Supervisory Committee, be required to take the appropriate undergraduate level course(s), in addition to the required courses. All graduate students must receive non-credit WHMIS (Workplace Hazardous Materials Information System) training in their first year.

A department may require examinations (oral and/or written), from time to time, to evaluate the student's progress in his/her overall program.

Additional Courses In addition to these prescribed studies, the candidate may undertake to achieve satisfactory standings in courses supportive of the special discipline. These courses may be at either the undergraduate or the graduate level. The standings obtained in them will not affect the average grade of the prescribed studies.

When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of "In Progress" for semesters prior to completion of the course and "Pass" or "Fail" (or a numerical grade in the case of Chemistry 890) for the final semester. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.

C) THE THESIS

Research Normally, the equivalent of at least two full-time semesters must be devoted to research in fulfilment of the thesis requirement. Summers during which research work is actively conducted may be counted as research semester equivalents, even though courses would not normally be offered at that time. In order to avoid undue prolongation of the time required to complete the degree, the research topic should be identified early and approved by the Supervisory Committee. Research involving the use of animals must follow the Guidelines of the Canadian Council on Animal Care.

Thesis Each candidate for the degree of Master of Science is required to submit a thesis based upon the research conducted under supervision as described above. The thesis must demonstrate the candidate's capacity for original and independent work, and should include a critical evaluation of work which has previously been done in the field of his or her research. The thesis should emphasize any new conclusions which may be drawn from the candidate's own research.

General specifications as to paper, format, order, and binding are available from the Office of the Program Administrator.

Procedures The thesis may be handed in at any time of the year, but candidates must bear in mind the desirability of having the final examination as much in advance of the deadline date for thesis submission as possible. Candidates are advised to inform themselves of the deadlines schedule, a copy of which may be obtained in the Office of the Program Administrator. It is desirable that each candidate initiate discussion about examination dates with the Supervisor early in the final semester.

The candidate should keep in close touch with the Supervisor and the Supervisory Committee, throughout the preparation of the thesis. The final draft of the thesis, after it has been reviewed by all members of the Supervisory Committee, is sent when ready for examination, to the members of the Master's Examination Committee (see below).

Following the Master's Examination, the candidate, if successful, arranges for the preparation of the thesis in final form, and for its submission to the Program Administrator (see below). The thesis in final form must include any minor corrections or revisions indicated during the Examination. Approval of the thesis takes the form of a Certificate of Approval, signed by the Examination Committee.

The Master's Examination The final oral examination, devoted chiefly to the defence of the thesis, is a departmental examination identified as the Master's Examination and carried out by the Master's Examination Committee.

In the Faculty of Veterinary Medicine, the Master's Examination Committee normally consists of five members as follows:

- i. two graduate faculty of the Department, who are not members of the Supervisory Committee, one of whom is appointed by the Department Chair to act as chair of the Master's Examination and to make the arrangements therefore;
- ii. the Supervisor of the candidate's research;
- iii. one additional member of the Supervisory Committee;
- iv. one member of the graduate faculty from a department other than that in which the student is registered.

In the Faculty of Science, the Master's Examination Committee normally consists of five members as follows:

- i. three members of the Supervisory Committee, including the Supervisor of the candidate's research;
- ii. one member from a department other than that in which the student is registered. This external examiner may be from the University of Prince Edward Island, or from another University or Research Institute, as is deemed appropriate;
- iii. the Co-ordinator of Graduate Studies (or designate), who will Chair the Master's Examination Committee. The Department Chair selects the Examination Committee at the request of the Supervisor and is responsible for notifying the Program Administrator of its composition.

The Examination is normally open to the public; however, members of the audience may question the candidate only upon invitation of the Chair of the Committee.

The Examination is passed and the thesis approved if there is no more than one negative vote, an abstention being regarded as a negative vote. The report, from the Department Chair to the Program Administrator, records the result as "unsatisfactory," "satisfactory," or "distinguished." If the result is "unsatisfactory," the candidate may be given the opportunity by the Master's Examination Committee of a second attempt. A second "unsatisfactory" result will terminate candidacy at this university.

Master of Veterinary Science (MVSc) Program

A) STRUCTURE OF THE PROGRAM

The MVSc degree of the University of Prince Edward Island is a two-year, non-thesis (professional) Master's-track program to enhance scholarship and competitiveness of veterinarians in one of the broad disciplines of pathology, microbiology, or clinical sciences. The program is designed to provide advanced training in the disciplines, and to develop teaching and communication skills. In addition, a student successfully completing the program may spend an extra year of residency in his/her selected discipline so as to be eligible for certification by specialty groups that require three years of residency training. Success in the program is attested by the achieving of satisfactory standings in the minimum number of graduate courses required, the completion of a research project, and the writing of a project report suitable for publication in a refereed journal.

The graduate students will register in one of the academic departments listed below and in one of the designated areas of specialization:

Department of Pathology and Microbiology

Anatomic Pathology
Clinical Pathology
Parasitology
Virology
Bacteriology
Public Health
Immunology
Fish Health

Department of Health Management

Large Animal Medicine
Large Animal Surgery
Theriogenology
Population Medicine
Aquatic Food Animal Medicine

In addition to the "General Regulations for Graduate Programs," described above, the following regulations apply specifically to the MVSc degree:

Residency Requirements Normally, at least four semesters of full-time study in residence at the University must be devoted to the non-thesis Master's program if the student is admitted as a regular student. For a regular student admitted to a part-time study program, the residency period is based on the equivalence of three part-time semesters to one full-time semester. A student admitted as a provisional student requiring two semesters in that category must spend at least two additional semesters as a regular full-time student to meet the residency requirement. Upon completion of the residency requirement, the student is then eligible to become a candidate for the MVSc degree.

Normally, the project report must be formally submitted, or the program must be otherwise complete, within 48 months of the completion of the residency requirement.

Departure from these normal requirements requires approval from the Graduate Studies Committee.

B) COURSES

Prescribed Studies The minimum number of courses and/or general examinations is outlined below. For graduate credit, the courses selected must be acceptable to the Department and the Graduate Studies Committee. The candidate must maintain an average grade of at least a "B" standing (see Grades in General Regulations section) in the substantive courses outlined below in order to maintain registration in the program. Substantive courses are graduate level courses assigned a minimum of two credit hours.

Students are required to complete courses totalling a minimum of 32 credit hours. Within this course complement there must be at least eight substantive courses and the appropriate departmental Seminar course (one credit). Normally, in addition to the project, at least three substantive courses should be in the area of the student's specialization. The Department may require examinations (oral and/or written) from time to time, to evaluate the student's progress in his/her overall program.

Additional Courses In addition to these prescribed studies, the candidate may undertake to achieve satisfactory standings in courses supportive of the special discipline. These courses may be at either the undergraduate or the graduate level. The standings obtained in them will not affect the average grade of the prescribed studies.

When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of "In Progress" for semesters prior to completion of the course, and "Pass" or "Fail" for the final semester. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.

C) THE PROJECT REPORT

Research Normally, the equivalent of at least six credit hours must be devoted to a small research project in fulfilment of the degree requirement. The project may be based on either a laboratory or clinical investigation, or a special topic such as a prospective or retrospective case study. Summers during which research work is actively conducted may be counted as research semester equivalents, even though other courses may not be offered at that time. In order to avoid undue prolongation of the time required to complete the degree, the research topic should be identified early and approved by the Supervisory Committee. Research involving the use of animals must follow the Guidelines of the Canadian Council on Animal Care.

Project Report Each candidate for the degree of Master of Veterinary Science is required to submit a project report (in place of a thesis) based upon the research conducted under supervision as described above. The report should make some contribution to the body of knowledge in the candidate's field. The report should be prepared as a manuscript, in a form that meets the guidelines for submission of a peer-reviewed scientific journal.

Procedures The project report may be handed in at any time of the year, but candidates must bear in mind the desirability

of having the final examination as much in advance of the deadline date for report submission as possible. Candidates are advised to inform themselves of the deadlines schedule, a copy of which may be obtained in the Office of the Program Administrator. It is desirable that each candidate initiate discussion about examination dates with the Supervisor early in the final semester.

The candidate should keep in close touch with the Supervisor and the Supervisory Committee, throughout the preparation of the project report. The final draft of the report, after it has been reviewed by all members of the Supervisory Committee, and when ready for examination is sent to the members of the MVSc Examination Committee (see below).

Following the Examination, the candidate, if successful, arranges for the preparation of the project report in final form, and for its submission to the Program Administrator (see below). The project report in final form, prepared as a manuscript meeting the guidelines for submission of a peer-reviewed scientific journal, must include any minor corrections or revisions indicated during the Examination. Approval of the report and the manuscript takes the form of a Certificate of Approval, signed by the Examination Committee.

The Master of Veterinary Science Examination The final oral examination is based on an overall assessment of the candidate's knowledge and competence in his/her field of study, including the project report. It is a departmental examination identified as the MVSc Examination and carried out by the MVSc Examination Committee normally consisting of four members as follows:

- i. one graduate faculty of the Department, who is not a member of the Supervisory Committee, and who is appointed by the Department Chair to act as chair of the MVSc Examination and to make the arrangements therefore;
- ii. the Supervisor of the candidate's program;
- iii. one additional member of the Supervisory Committee; and
- iv. one member of the graduate faculty from a department other than that in which the student is registered.

The Department Chair selects the Examination Committee at the request of the Supervisor and is responsible for notifying the Program Administrator of its composition. The Examination is normally open to the public; however, members of the audience may question the candidate only upon invitation of the Chair of the Committee.

The Examination is passed and the project report approved if there is no more than one negative vote, an abstention being regarded as a negative vote. The report, from the Department Chair to the Program Administrator, records the result as "unsatisfactory," "satisfactory," or "distinguished." If the result is "unsatisfactory," the candidate may be given the opportunity by the MVSc Examination Committee of a second attempt. A second "unsatisfactory" result will terminate candidacy at this university.

Doctor of Philosophy (PhD) Program

A) STRUCTURE OF THE PROGRAM

The purpose of the PhD degree program is to educate individuals to become independent, reliable, and competent research scientists. The PhD degree of the University of Prince Edward Island requires the demonstration of a reasonable mastery of a concentrated field of study. The latter is attested to by the achieving of satisfactory standings in each of a minimum of five graduate courses, the completion of a research project, and the writing of a thesis based upon the research.

The graduate students will register in one of four academic departments of the Faculty of Veterinary Medicine and in one of the 16 areas of specialization listed below:

Department of Biomedical Sciences

Behavioural Sciences
Pharmacology and Toxicology
Developmental Biology
Physiology

Department of Companion Animals

Internal Medicine

Department of Health Management

Animal Science and Animal Nutrition
Epidemiology/Health Management
Large Animal Clinical Sciences
Fish Health

Department of Pathology and Microbiology

Bacteriology
Clinical Pathology
Fish Health
Immunology
Morphologic Pathology
Parasitology
Virology

Depending on the individual thesis topic, projects could involve one or more of several species of animals. There will be considerable interaction and co-operation among the departments, with other universities in the region, and with government research laboratories to provide courses and research facilities to meet the needs of individual students and their research projects.

In addition to the "General Regulations for Graduate Programs" described earlier, the following regulations apply specifically to the Doctor of Philosophy degree:

Residency Requirements Normally, at least six semesters of full-time study in-residency at the University must be devoted to the doctoral program following completion of a recognized Master's degree. In cases in which a student transfers from a Master's to a PhD program, eight semesters of full-time study would be the minimum residency requirement after completion of the Bachelor's degree. Normally, the thesis must be formally submitted within 48 months of the completion of the residency requirement. Departure from these normal requirements requires approval from the Graduate Studies and Research Committee.

B) SUPERVISION

The student's program is established and progress kept under review by the appropriate department. At the discretion of the academic unit, the day-to-day responsibility for overseeing the student's program will rest with the Supervisor or jointly with the Supervisory Committee of five graduate faculty, one of whom must be from a department other than that in which the student is registered. At least one member of the Supervisory Committee must be from outside the University of Prince Edward Island.

The Chair of the Supervisory Committee is normally the Department Chair. The graduate student's Supervisor shall not be the Chair of the Supervisory Committee. The Supervisor will normally have the degree for which the student is registered and be from the Department in which the student is enrolled.

C) COURSES

The PhD degree is primarily a research degree; for that reason course work commonly comprises a smaller proportion of the total than is the case at the level of the Master's degree.

Prescribed Studies In the Faculty of Veterinary Medicine, substantive courses are graduate level courses assigned a minimum of two credit hours. In the PhD program students are required to complete courses totalling a minimum of 15 credit hours. Within this course complement there must be at least five substantive courses and the appropriate departmental Seminar course (one credit). Only one of the substantive courses may be a Directed Studies course.

All students are expected to complete VHM 801 (Veterinary Biostatistics) and VPM 861 (Essentials of Animal Experimentation) unless comparable training has been completed prior to entry into the program. In some cases, on the recommendation of the Supervisory Committee and with the approval of the Graduate Studies and Research Committee, exemptions may be granted for some of the course requirement in recognition of previous academic work. For graduate credit, the courses selected must be acceptable to the Department and the Graduate Studies and Research Committee. These "substantive" courses and/or general examinations comprise the candidate's prescribed studies, in which the student must obtain an overall average grade of at least second-class standing (see Grades in General Regulations section).

A department may require examinations (oral and/or written), from time to time, to evaluate the student's progress in his/her overall program.

Additional Courses In addition to these prescribed studies, the candidate may undertake to achieve satisfactory standings in courses supportive of the special discipline. These courses may be at either the undergraduate or the graduate level. The standings obtained in them will not affect the average grade of the prescribed studies. When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of "In Progress" for semesters prior to completion of the course and "Pass" or "Fail" for the final semester. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the

student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.

D) THE THESIS

Research In the total program of a doctoral student it is expected that the major part of the time be devoted to research in fulfilment of the thesis requirement. The research proposal should be formulated at as early a date as possible and be presented to the Supervisory Committee for approval. Research involving the use of animals must follow the Guidelines of the Canadian Council on Animal Care. When it is necessary for the research, or some of it, to be conducted off-campus, the arrangements are subject to the prior approval of the Chair of the Department in which the student is registered.

Comprehensive Examination At as early a date as may be feasible in each case, and in all cases no later than the final semester of the residency requirement (i.e., the 6th semester after the Master's degree or the 8th semester after the honours baccalaureate), the student is required to take an examination to assess his or her knowledge in that branch of learning embracing the subject. The examination will ordinarily be in two parts, one written and one oral.

The Comprehensive Examination is an examination by the academic unit in which the student is enrolled (as distinct from an examination by the Supervisory Committee).

Upon completing the Comprehensive Examination satisfactorily, the student is deemed to have met the Department standards, and then becomes a candidate for the PhD degree. The Examining Committee, appointed by the Chair of the academic unit concerned, consists of some or all of the members of the Supervisory Committee, together with two additional members of the Graduate Faculty, at least one of whom must be a member of the unit. The Chair of the academic unit concerned serves as Chair of the Examining Committee, and is responsible for making all arrangements. As a Comprehensive Examination, consideration is to be given to 1) the student's knowledge of the subject matter and ability to integrate the material derived from his or her studies, and 2) to the student's ability and promise in research. The Examining Committee, therefore, will receive from the Supervisory Committee a written evaluation of the quality of the student's performance to date in research and of the student's potential as a researcher. The Examining Committee will determine the relative importance to be given to these two major components of the Comprehensive Examination.

The results of the Comprehensive Examination will be reported to the Associate Dean of Graduate Studies and Research through the Chair of the academic unit. The examination may be repeated once within a program, and if the student fails a second time, further registration in the PhD program will be denied.

Thesis Each candidate for the degree of Doctor of Philosophy shall submit a thesis, written by the candidate, on the research carried out by the candidate on the approved topic. The thesis is expected to be a significant contribution to knowledge in its field, and the candidate must indicate in what ways it is a contribution. The thesis must demonstrate mature scholarship and critical judgement on the part of the candidate, and it must indicate an ability to express oneself in a satisfactory

literary style. Approval of the thesis is taken to imply that it is judged to be sufficiently meritorious to warrant publication in reputable scholarly media in the field.

Examination and Publication For each doctoral thesis, an External Examiner from outside the University is appointed by the Associate Dean of Graduate Studies and Research in consultation with the Supervisor and the Department Chair. The External Examiner will submit a written appraisal of the thesis to the Associate Dean of Graduate Studies and Research and to the Supervisor. The External Examiner is expected to attend the Final Oral Examination. Honoraria and expenses are paid by the University in relation to the duties involved.

Procedures The thesis may be submitted at any time of the year, but candidates are advised to allow ample time for revision and examination. A copy of the schedule of deadlines should be obtained from the Graduate Studies and Research Office by the candidate no later than the beginning of the semester in which the candidate hopes to graduate.

It is understood that, as the thesis is being written, the candidate is in regular communication with the Supervisory Committee. In due time, a draft emerges which is deemed to be ready for examination. The candidate then formally requests examination, endorsed by the Departmental Chair, and a copy of this final draft is sent to the External Examiner as “fair copy” of the thesis. If the thesis is approved, arrangements for the Final Oral Examination are made. It is understood that as a result of the Final Oral Examination, corrections may be necessary to produce a revised final draft of the thesis.

The Final Oral Examination The Final Oral Examination is devoted chiefly to the defence of the doctoral thesis. It is a Faculty (as distinct from a departmental) examination, for which the arrangements are the responsibility of the Office of the Associate Dean of Graduate Studies and Research. The Final Oral Examination is conducted by a Committee consisting of five members, as follows:

- i. a member of the graduate faculty who is not a member of the Supervisory Committee appointed to act as Chair by the Associate Dean of Graduate Studies and Research in consultation with the Department Chair;
- ii. the External Examiner;
- iii. a member of the graduate faculty who is not a member of the Supervisory Committee, selected by the Departmental graduate faculty; and
- iv. two members of the student’s Supervisory Committee, selected by the Supervisory Committee. One member shall be from a Department other than that in which the student is registered.

The Associate Dean of Graduate Studies and Research or his/her designate will attend the Examination. The Examination is normally open to the public; however, members of the audience may question the candidate only upon invitation of the Chair of the Committee. Normally the Examination is preceded by a public presentation of the research results.

The members of the Examination Committee, including the External Examiner, report individually on both the defence and the thesis, the candidate being deemed to have passed if

not more than one of the five Examiners votes negatively. An abstention is regarded as a negative vote. Concurrently, the members sign the Certificate of Approval, to be submitted with the approved thesis in its final form to the Associate Dean of Graduate Studies and Research. The report to the Associate Dean will record the decision as “unsatisfactory,” “satisfactory,” or in rare instances, “distinguished.” If “unsatisfactory,” the candidate may be given the opportunity of a second attempt. A second “unsatisfactory” will terminate candidacy at this University.

An abstract of not more than 350 words, prepared by the author and approved by his/her Supervisor, is forwarded by the Office of the Associate Dean to the publishers of American Doctoral Dissertations. The abstract is printed in this work and the availability of the thesis in microfilm at Library and Archives Canada announced.

The publishers charge a fee for this service and at the time of printing will provide the author with offprints for a small additional charge for the first hundred.

Publication in the above manner does not preclude publication of all or part of the thesis in journals or in book form.

Postgraduate Diploma in Pathology or Microbiology (PGD.Path or PGD.Micro) Program

A) STRUCTURE OF THE PROGRAM

The Postgraduate Diploma of the University of Prince Edward Island is a one-year, non-thesis (professional) program for veterinarians working in industry, government, or private diagnostic laboratories and who have been away from university for some time. Also included are veterinarians who wish to broaden their knowledge at the graduate level on subjects specific to their professional interests. The objective is to provide advanced practical training in a field of veterinary pathology or microbiology. The program emphasizes “hands-on” and course-based applied training in diagnostic veterinary bacteriology, immunology, parasitology, pathology, or virology. A successful student may transfer to the MVSc or MSc programs at the University of Prince Edward Island, depending on grades and funding. Success in the program is attested by the achieving of satisfactory standings in the minimum number of graduate courses required, the completion of a small research project, and the writing of a project report.

The graduate students will register in the **Department of Pathology and Microbiology** and in one of the designated areas of specialization:

Anatomic Pathology
Parasitology
Virology
Bacteriology
Public Health
Immunology
Fish Health

In addition to the “General Regulations for Graduate Programs,” described above, the following regulations apply specifically to the PGD program:

Residency Requirements Normally, at least two semesters of full-time study in residence at the University must be devoted to the diploma program if the student is admitted as a regular student. For a regular student admitted to a part-time study program, the residency period is based on the equivalence of three part-time semesters to one full-time semester. A student, admitted as a provisional student requiring two semesters in that category, must spend at least one additional semester as a regular full-time student to meet the residency requirement. Upon completion of the residency requirement, the student is then eligible to become a candidate for the PGD qualification.

Normally, the project report must be formally submitted or the program must be otherwise complete within 24 months of the completion of the residency requirement. All requirements must be completed within a five-year time period for part-time students. Departure from these normal requirements requires approval from the Graduate Studies Committee.

B) COURSES

Prescribed Studies The minimum number of courses and/or general examinations is outlined below. For graduate credit, the courses selected must be acceptable to the Department and the Graduate Studies Committee. The candidate must maintain an average grade of at least a “B” standing (see Grades in General Regulations section) in the substantive courses outlined below in order to maintain registration in the program. Substantive courses are graduate level courses assigned a minimum of two credit hours.

Students are required to complete courses totalling a minimum of 16 credit hours. Within this course complement there must be at least four substantive courses and the appropriate departmental Seminar course (one credit).

The Department may require examinations (oral and/or written) from time to time, to evaluate the student’s progress in his/her overall program.

Additional Courses In addition to these prescribed studies, the candidate may undertake to achieve satisfactory standings in courses supportive of the special discipline. These courses may be at either the undergraduate or the graduate level. The standings obtained in them will not affect the average grade of the prescribed studies. When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of “In Progress” for semesters prior to completion of the course and “Pass” or “Fail” for the final semester. With the consent of the Supervisor, the instructor, and the Department Chair concerned, a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.

C) THE RESEARCH PROJECT

Research Normally, the equivalent of at least three credit hours must be devoted to a small research project in fulfilment of the degree requirement. The project may be based on either a laboratory investigation or a special topic such as a prospective or retrospective case study. Summers during which

research work is actively conducted may be counted as research semester equivalents, even though other courses may not be offered at that time. In order to avoid undue prolongation of the time required to complete the degree, the research topic should be identified early and approved by the Supervisor. Research involving the use of animals must follow the Guidelines of the Canadian Council on Animal Care.

Project Report Each candidate for the graduate diploma qualification is required to submit a project report (in place of a thesis) based upon the research conducted under supervision as described above. The report should make some contribution to the body of knowledge in the candidate’s field, but it may or may not be submitted for publication in a refereed journal.

General specifications as to paper, format, order, and binding are available from the Office of the Program Administrator.

Procedures The project report may be handed in at any time of the year, but candidates must bear in mind the desirability of having the final examination as much in advance of the deadline date for report submission as possible. Candidates are advised to inform themselves of the deadlines schedule, a copy of which may be obtained in the Office of the Program Administrator. It is desirable that each candidate initiate discussion about examination dates with the Supervisor early in the final semester.

The candidate should keep in close touch with the Supervisor throughout the preparation of the project report. The final draft of the report, after it has been reviewed by the Supervisor, is sent when ready for examination, to the members of the PGD Examination Committee (see below).

Following the Examination, the candidate, if successful, arranges for the preparation of the project in final form, and for its submission to the Program Administrator (see below). The report in final form must include any minor corrections or revisions indicated during the Examination. A manuscript suitable for publication in a refereed journal may also be prepared in the final form. Approval of the report takes the form of a Certificate of Approval, signed by the Examination Committee.

The Postgraduate Diploma Examination The final oral examination is based on overall assessment of the candidate’s knowledge and competence in his/her field of study, including the project report. It is a departmental examination identified as the PGD Examination and carried out by the PGD Examination Committee normally consisting of three members as follows:

- i. two graduate faculty of the Department, who are not members of the Supervisory Committee (if applicable), and one of whom is appointed by the Department Chair to act as chair of the PGD Examination and to make the arrangements therefore; and
- ii. the Supervisor of the candidate’s program. The Department Chair selects the Examination Committee at the request of the Supervisor and is responsible for notifying the Program Administrator of its composition.

The Examination is normally open to the public; however, members of the audience may question the candidate only upon invitation of the Chair of the Committee.

The Examination is passed and the project report approved if there is no more than one negative vote, an abstention being regarded as a negative vote. The report, from the Department Chair to the Program Administrator, records the result as “unsatisfactory,” “satisfactory,” or “distinguished.” If the result is “unsatisfactory,” the candidate may be given the opportunity by the PGD Examination Committee of a second attempt. A second “unsatisfactory” result will terminate candidacy at this university.

Graduate Science/Veterinary Science Courses

A) BIOMEDICAL SCIENCES

VBS 801 ELECTRON MICROSCOPY: PRINCIPLES, TECHNIQUES AND ULTRASTRUCTURAL ANALYSIS

This laboratory-oriented course introduces students to the principles and procedures required for the examination of structures with the transmission electron microscope (TEM) and scanning electron microscope (SEM) and the interpretation/analysis of ultrastructural features of cells and tissues.

PREREQUISITE: Permission of the instructor

LECTURES: 3 hours

LABORATORIES: 4 hours

HOURS OF CREDIT: 4

VBS 802 (formerly 862) STEREOLOGICAL THEORY AND PRACTICE

This course is designed for students who plan to make quantitative measurements on tissue specimens. Lectures cover the theory and techniques used to measure volumes, surface areas, lengths, and number of microscopic structures in tissue sections.

PREREQUISITE: Undergraduate course in histology, calculus, and statistics; permission of the instructor

LECTURES: 3 hours

HOURS OF CREDIT: 3

VBS 803 PRINCIPLES OF BIOMEDICAL RESEARCH

The objective of this course is to provide students engaged in a graduate program in a biomedical field with knowledge of the principles of biomedical research. The course provides students with an appreciation of the scientific approach and experimental methods employed in biomedical research. Creative thinking, experimental design, scientific writing of articles and grants, literature searching, reading of scientific articles, and hypothesis generation and testing are among the subjects covered.

HOURS OF CREDIT: 2

LECTURES: 1 hour

TUTORIAL: 1 hour

VBS 805 BASIC TECHNIQUES OF IMAGE ANALYSIS

The course introduces basic concepts of image analysis. The approach is a combination of didactic material presented in lecture and laboratory exercises on a simplified image analysis system. Topics include fundamental functions of image analysis vis-à-vis enhancement, segmentation, and quantification of black-and-white images.

PREREQUISITE: First-year Calculus and one semester of first-year computer programming.

HOURS OF CREDIT: 2

LECTURES: 1 hour

TUTORIAL: 2 hours

VBS 812 ANIMAL WELFARE

This course reviews fundamental ethical and scientific issues in animal welfare and the application of research methods to areas of welfare concern. Students give presentations and learn how to address animal welfare issues in a consulting capacity. The course emphasizes communication skills and balanced analysis of conflicting viewpoints.

PREREQUISITE: VBS 131 Animal Behaviour and Animal Welfare (or equivalent course from another institution in undergraduate degree); permission of the instructor

HOURS OF CREDIT: 3

VBS 813 TOPICS IN ANIMAL WELFARE

This participatory course teaches topics in animal welfare science and advanced skills in critical appraisal, by reviewing and critiquing published research, both orally and through written reviews.

PREREQUISITE: VBS 812 or permission of the instructor

HOURS OF CREDIT: 2

TUTORIAL: 2 hours

VBS 814 DOMESTIC ANIMAL ETHOLOGY

This is an advanced course covering specific aspects of animal ethology, with emphasis on domestic animals. The course covers the development of ethograms, analysis of basic behavioural processes, and the role of organizational and functional behaviours. Applied aspects of ethology are also covered, including design of ethological research and quantification of behavioural data.

PREREQUISITES: An undergraduate level course in physiology; and/or permission of the instructor

HOURS OF CREDIT: 2

LECTURE: 1 hour

SEMINAR: 2 hours

VBS 815 ESSENTIALS OF ANIMAL EXPERIMENTATION

This course introduces students to the issues and responsibilities of investigators using animals in biomedical research. The course includes all the elements for the core topics for all animal-users, as listed in the Canadian Council on Animal Care's *Recommended Syllabus for an Institutional Animal User Training Program*.

HOURS OF CREDIT: 1

LECTURE: 1 hour

VBS 823 FUNDAMENTALS OF DEVELOPMENTAL BIOLOGY

This course is designed to enhance student knowledge of the basic concepts in developmental biology. Early development of vertebrates is discussed with emphasis on experimental and molecular analysis of developmental mechanisms.

HOURS OF CREDIT: 3

TUTORIAL: 3 hours

VBS 824 ADVANCED TOPICS IN DEVELOPMENTAL BIOLOGY

This course focuses on recent advances in developmental biology. Topics are selected from the recent literature according to student interests, and may include embryonic induction, regulation of morphogenesis and differentiation, mechanisms of regional specification, and pattern formation.

PREREQUISITES: VBS 823 or permission of the instructor

HOURS OF CREDIT: 2

TUTORIAL: 2 hours

VBS 833 ENDOCRINOLOGY AND METABOLISM

This advanced course covers the role of the endocrine system in the development and function of the reproductive system, steroid and peptide hormone biology; and hormonal regulation of various body systems. Hormonal and nutrient effects on metabolism are also studied.

PREREQUISITES: An undergraduate level course in physiology; and/or permission of the instructor

HOURS OF CREDIT: 3

LECTURE: 1.5 hours

TUTORIAL: 1.5 hours

VBS 844 FUNDAMENTALS OF MAMMALIAN PHYSIOLOGY

This is an advanced course covering a range of selected topics on mammalian physiological function. Systems to be covered in detail include cardiovascular, renal, respiratory, and autonomic, including how these systems are integrated to produce co-ordinated responses to external or internal stimuli. Students are expected to be able to evaluate critically and present readings on these topics, as well as to critique scientific presentations throughout the course.

PREREQUISITE: Undergraduate mammalian physiology or permission of course co-ordinator

HOURS OF CREDIT: 3

VBS 848 ADVANCES IN AUTONOMIC CARDIOVASCULAR PHYSIOLOGY

This advanced course covers in detail the mechanisms underlying cardiovascular regulation via local, humoral, and neural systems, including how these systems are integrated to produce co-ordinated responses to changes in our external or internal environment. Students critically evaluate scientific papers/readings on these topics.

PREREQUISITES: VBS 844 or permission of course co-ordinator

HOURS OF CREDIT: 3

LECTURE: 1.5 hours

SEMINAR: 1.5 hours

VBS 852 INTRODUCTION TO NEUROSCIENCE

This is a lecture/discussion course with supplemental laboratories and readings. Topics include introductions to neuroanatomy, neurophysiology, and neuropharmacology of mammalian systems, including current concepts in neuronal processing and integration.

PREREQUISITE: Undergraduate anatomy, physiology, and pharmacology, or equivalent; permission of the instructor

LECTURES: 1 hour

TUTORIALS: 2 hours

HOURS OF CREDIT: 3

VBS 863 PRINCIPLES OF CELL PHYSIOLOGY AND PHARMACOLOGY

This advanced course on pharmacological principles is based on an understanding of cell physiology. The course covers membrane properties and principles of receptor function relevant to cell physiology and pharmacology and includes cellular, biochemical, and molecular aspects of drug actions. Students present and discuss weekly readings.

PREREQUISITES: Undergraduate biochemistry and physiology; permission of the instructor

HOURS OF CREDIT: 3

LECTURE: 1 hour

TUTORIAL: 2 hours

VBS 864 SYSTEMS PHARMACOLOGY

This course covers the pharmacodynamics, pharmacokinetics, and side effects of the major classes of drugs which affect body systems, including central and peripheral nervous systems, cardiovascular, gastrointestinal, genitourinary, and respiratory. The effects of chemotherapeutics, anti-infective, and anti-inflammatory agents are also studied.

PREREQUISITES: A basic course in pharmacology; permission of the instructor

HOURS OF CREDIT: 3

LECTURE: 3 hours

VBS 874 ADVANCES IN CLINICAL PHARMACOLOGY/TOXICOLOGY

This is an advanced course in veterinary clinical pharmacology and toxicology. Topics include current issues and new discoveries in veterinary pharmacology and toxicology and their applications to clinical situations.

PREREQUISITES: DVM degree or permission of the instructor

HOURS OF CREDIT: 3

LECTURE: 3 hours

VBS 876 BIOCHEMICAL TOXICOLOGY

This course provides students with an understanding of the chemical and biochemical basis of toxicology. The principles of toxicology are the general focus of the course, but system-specific aspects are covered with an emphasis on mechanisms of toxicity. The course includes lectures, seminars, and student presentations.

PREREQUISITES: A course on Cellular Basis of Physiology and Pharmacology, or an undergraduate course in pharmacology or toxicology that is approved by the instructor

HOURS OF CREDIT: 3

LECTURE: 1.5 hours

TUTORIAL: 1.5 hours

VBS 881-882 DIRECTED STUDIES

This course is a thorough study of a selected problem or topic in the discipline. The course may include directed reading, directed research, or collection and analysis of data. The student will prepare a written report and present a seminar on the topic.

PREREQUISITE: Permission of the instructor

HOURS OF CREDIT: 1-3

VBS 890 SEMINAR

In this course, students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to MSc program

HOURS OF CREDIT: 1

VBS 892 ADVANCES IN FISH PHYSIOLOGY

This is an advanced course covering a range of selected topics on fish form and function. Interaction of fish with their ecosystems is emphasized. Students are actively involved by presenting and discussing readings provided weekly. Each student presents a formal seminar on a selected topic at the conclusion of the course.

PREREQUISITE: Undergraduate courses in animal physiology (i.e., BIO 402 or VBS 121 and 122, or equivalent); permission of the instructor

LECTURES: 1 hour

HOURS OF CREDIT: 3

VBS 990 SEMINAR

This is a seminar course in which students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to PhD program

HOURS OF CREDIT: 1

B) BIOLOGY DEPARTMENT**BIO 811 ADVANCED TOPICS IN CELL AND MOLECULAR BIOLOGY**

This course enhances student knowledge of cell and molecular biology from a research perspective. Current advances in cell and molecular biology, including biotechnology and cytogenetics, are emphasized. Topics vary yearly according to the needs of the participating students. A combination of formal lectures, directed readings, and group discussion of journal articles is used. Students are expected to prepare written reports or present seminars.

PREREQUISITE: Admission to a graduate program in Science; permission of the instructor

HOURS OF CREDIT: 3

BIO 812 ADVANCED TOPICS IN ECOLOGY AND ENVIRONMENTAL SCIENCES

This course covers advances in practical and theoretical aspects of aquatic and terrestrial ecology, and represents one of the three general axes of research expertise within the Department. A combination of formal lectures, directed readings, and group discussion of journal articles is used. Students are expected to prepare written reports or present seminars.

PREREQUISITE: Admission to a graduate program in Science or permission of the instructor

HOURS OF CREDIT: 3

BIO 813 ADVANCED TOPICS IN PLANT SCIENCE

This course covers current advances in botany, including plant development and morphology, anatomy and physiology, pollination biology, and biotechnology. A combination of formal lectures, directed readings, and group discussion of journal articles is used. Students are expected to prepare written reports or present seminars.

PREREQUISITE: Admission to a graduate program in Science; permission of the instructor

HOURS OF CREDIT: 3

BIO 881 DIRECTED STUDIES IN BIOLOGY

Under the supervision of a faculty member, a graduate student independently pursues an area of interest in depth. The course includes an extensive literature review of the specific discipline, directed research on the topic, or collection and analysis of data. The student may be required to present a written report and/or present a seminar in the area. Topics must not be a part of the student's thesis research, although they may be in a complementary area. Course outlines must be approved by the supervisory committee, the Department Chair, and the Dean of Science.

PREREQUISITE: Admission in the graduate program in Biology; permission of the instructor

HOURS OF CREDIT: 3

BIO 890 (formerly 801) SEMINAR IN BIOLOGY

This is a seminar course in which graduate students lead discussions on general topics within the biological sciences. Techniques in preparing scientific communications (oral

presentations and poster displays) are also covered.

PREREQUISITE: Admission to a graduate program in Science

HOURS OF CREDIT: 3

C) CHEMISTRY DEPARTMENT**CHEM 881 DIRECTED STUDIES IN CHEMISTRY**

This course is a thorough study of a selected topic in Chemistry. Entry to the course, and the course outline, are subject to the approval of the Supervisory Committee, the Department Chair and the Dean of Science. The course may include directed reading, directed research, and discussion with the instructor. The student may be required to prepare a written report and/or present a seminar in the area. Topics must not be directly related to the student's research project, although they may be in the same discipline.

PREREQUISITE: Admission to the graduate program; permission of the instructor

HOURS OF CREDIT: 3

CHEM 882 ADVANCED TOPICS IN CHEMISTRY

This course covers current advances and advanced topics in a discipline of Chemistry and is a thorough study of specific topics. It is offered to graduate students at the discretion of the Department, and covers areas of specialization not covered in other graduate courses. The course discusses recent advances in an area of interest to the students, but which are not part of the students' thesis research directly.

PREREQUISITE: Admission to the graduate program; permission of the instructor

HOURS OF CREDIT: 3

CHEM 883 ADVANCED TOPICS IN COMPUTATIONAL CHEMISTRY

This course exercises the application of computational chemistry to structural and reactivity questions in organic and inorganic chemistry. Computational methods discussed include molecular mechanics, ab initio and semi-empirical calculations, and density functional theory. The objective is to gain an understanding of the application of these methods to chemical problems. The current literature is explored to illustrate the use of computational chemistry in research.

PREREQUISITE: Admission to MSc Program

HOURS OF CREDIT: 3

CHEM 884 ADVANCED SPECTROSCOPIC STRUCTURE ELUCIDATION

This course covers various forms of spectrometry used in the determination of structures in Organic and Inorganic Chemistry. Major topics include the theory and use of nuclear magnetic resonance (NMR) spectroscopy, in particular the use of 2D experiments; mass spectrometry; and infrared spectroscopy. Particular emphasis is placed on developing the students' ability to interpret spectra and elucidate the structure of a molecule based on this evidence. Spectroscopic techniques for the study of transient species are also discussed, including laser flash photolysis (LFP); laser-induced fluorescence (LIF); and stopped-flow and relaxation methods for fast reaction studies.

PREREQUISITE: Admission to the graduate program

HOURS OF CREDIT: 3

CHEM 890 (formerly 801) SEMINAR IN CHEMISTRY

In this course, students attend regular departmental seminars. Students are also required to present a seminar on a topic within their discipline, but unrelated to their research project.

Students must register for this course each semester, and receive a grade of “In Progress” until completion of their MSc programs.

PREREQUISITE: Admission to MSc Program in Chemistry
HOURS OF CREDIT: 3

D) COMPANION ANIMALS

VCA 811 ADVANCED MEDICINE OF THE RENAL, GENITOURINARY, AND ENDOCRINE SYSTEMS

This course is a detailed study of the physiology, pathophysiology, diagnosis, and management of disorders of the renal and urinary systems of companion animals. Areas of current interest or controversy, as well as recent advances in knowledge and management in the field, are emphasized. Requirements for the course include critical evaluation of current literature and presentation of an informal seminar on a specific topic.

PREREQUISITE: Undergraduate courses in physiology, pathophysiology, and medicine; permission of the instructor
LECTURES: Two hours
HOURS OF CREDIT: 2

VCA 821 ADVANCED MEDICINE OF THE CARDIAC, PULMONARY, AND NEUROMUSCULAR SYSTEMS

This is a detailed study of the physiology, pathophysiology, diagnosis, and management of disorders of the cardiac, pulmonary, and neuromuscular systems of companion animals. Areas of current interest or controversy, as well as recent advances in knowledge and management in the field, will be emphasized. Requirements for the course may include critical evaluation of current literature and presentation of an informal seminar on a specific topic.

PREREQUISITE: Undergraduate courses in physiology, pathophysiology, and medicine; permission of the instructor
LECTURES: Two hours
HOURS OF CREDIT: 2

VCA 831 ADVANCED MEDICINE OF GASTROINTESTINAL, HEMOLYMPHATIC, AND IMMUNOLOGIC SYSTEMS

This is a detailed study of the physiology, pathophysiology, diagnosis, and management of disorders of the gastrointestinal, hemolympathic, and immunologic systems of companion animals. Areas of current interest or controversy, as well as recent advances in knowledge and management in the field, are emphasized. Requirements for the course will include critical evaluation of current literature and presentation of an informal seminar on a specific topic.

PREREQUISITE: Undergraduate courses in physiology, pathophysiology, and medicine; permission of the instructor.
LECTURES: Two hours
HOURS OF CREDIT: 2

VCA 881-882 DIRECTED STUDIES

This course is a thorough study of a selected problem or topic in the discipline. The course may include directed reading, directed research, or collection and analysis of data. The student will prepare a written report and present a seminar on the topic.

PREREQUISITE: Permission of the instructor
HOURS OF CREDIT: 1-3

VCA 890 SEMINAR

In this course, students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to MSc program

HOURS OF CREDIT: 1

VCA 990 SEMINAR

This is a seminar course in which students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to PhD program
HOURS OF CREDIT: 1

E) HEALTH MANAGEMENT

VHM 801 VETERINARY BIOSTATISTICS

This course provides the student with a working knowledge of the basic statistical techniques used in veterinary science. Topics include descriptive statistics, inferential statistics, non-parametric statistics, analysis of variance, regression and correlation, and experimental design.

PREREQUISITE: Permission of the instructor
LECTURES: 2 hours
LABORATORIES: 2 hours
HOURS OF CREDIT: 3

VHM 802 ADVANCED VETERINARY BIOSTATISTICS

This course is an introduction to several of the more powerful methods of data analysis, including multiple linear regression, log-linear models, analysis of covariance, and the analysis of experimental designs involving multiple factors, nested factors, repeated measurements, and dependent observations.

PREREQUISITE: VHM 801 or equivalent; permission of the instructor
LECTURES: 2 hours
LABORATORIES: 2 hours
HOURS OF CREDIT: 3

VHM 811 CLINICAL EPIDEMIOLOGY

This course is a review of basic epidemiologic principles and techniques with a detailed study of specific clinically related topics, including survey methods, sampling techniques, measurement of disease frequency, interpretation of diagnostic data, critical reading of clinical literature, and clinical decision-making techniques.

PREREQUISITE: Permission of the instructor
LECTURES: 3 hours
LAB/SEMINARS: 2 hours
HOURS OF CREDIT: 3

VHM 812 RESEARCH EPIDEMIOLOGY

This course provides a thorough understanding of the methods and techniques used in epidemiologic research. The lecture and seminar course covers a variety of topics, including study design, epidemiologic hypothesis testing, causal thinking, model building, logistic regression, and survival analysis.

PREREQUISITE: VHM 801, 811; permission of the instructor
LECTURES: 2 hours
LAB/SEMINARS: 2 hours
HOURS OF CREDIT: 3

VHM 822 POPULATION MEDICINE IN AQUACULTURE

This course covers current developments in finfish, crustacean, and bivalve clinical health management, with a particular focus on the epidemiology of infectious and non-infectious production problems. The lecture and seminar course topics include disease surveillance, diagnostic test evaluation,

investigation of causal factors, and evaluating health management practices. Field trips to aquaculture sites in the Atlantic Canada region are necessary.
PREREQUISITE: DVM, VPM 811 (or equivalent) and VHM 811; permission of the instructor
LECTURES: 2 hours
LAB/SEMINARS: 2 hours
HOURS OF CREDIT: 3

VHM 823 HEALTH AND PRODUCTION MANAGEMENT IN SHELLFISH AND CRUSTACEAN AQUACULTURE

This course covers the principles and application of health and production management and practices of significant shellfish aquaculture species in Atlantic Canada, and crustacean aquaculture globally. Topics include the biology, production methods, diagnosis, treatment, and management of production and disease problems, and aquatic ecosystem health. Field trips to aquaculture sites occur.
PREREQUISITE: Permission of the instructor
LECTURES: 2 hours
LAB/SEMINARS: 1 hour
HOURS OF CREDIT: 3

VHM 831 TOPICS IN BIOSTATISTICS AND EPIDEMIOLOGY

This course reviews current developments in frequently used statistical techniques and introduces the student to some advanced biostatistical techniques, including survival analysis, factor analysis, and general linear models.
PREREQUISITE: VHM 801 or VHM 802 (preferred); permission of the instructor
LECTURES: 2 hours
HOURS OF CREDIT: 2

VHM 841 BOVINE THERIOGENOLOGY

This course involves advanced training in bovine theriogenology with emphasis placed on areas that are of most benefit to individual students. Topics include applied reproductive physiology of cattle, control of the estrous cycle and ovulation, diseases and conditions affecting the reproductive system of cattle, and reproductive efficiency in cattle management. Any necessary training in diagnostic techniques, including breeding soundness evaluation, is provided. Embryo transfer and advanced reproductive technologies are discussed. Students participate in herd visits to dairy and beef farms and are involved in bovine reproduction cases that are presented to the Veterinary Teaching Hospital.
PREREQUISITE: DVM or equivalent degree; permission of the instructor
HOURS OF CREDIT: 3 hours
LAB/SEMINARS: 6 hours

VHM 842 EQUINE THERIOGENOLOGY

This course involves advanced training in equine theriogenology with emphasis placed on areas that are of most benefit to individual students. Topics include applied reproductive physiology of horses, control of the estrous cycle and ovulation, diseases and conditions affecting the reproductive system of horses, and breeding management. Any necessary training in diagnostic techniques, including breeding soundness evaluation, is provided. Embryo transfer and advanced reproductive technologies are discussed. Students are also involved in equine reproduction cases that are presented to the Veterinary Teaching Hospital.

PREREQUISITE: DVM or equivalent degree; permission of the instructor
HOURS OF CREDIT: 3 hours
LAB/SEMINAR: 6 hours

VHM 843 EQUINE BREEDING FARM THERIOGENOLOGY

This course involves advanced training in equine theriogenology with emphasis placed on theriogenology as practised on breeding farms. Any necessary training in diagnostic techniques is provided. Students participate in visits to equine stud farms at the height of the breeding season and are involved in equine reproduction cases that are presented to the Veterinary Teaching Hospital.
PREREQUISITE: DVM or equivalent degree; permission of the instructor
HOURS OF CREDIT: 3 hours
LAB/SEMINAR: 6 hours

VHM 845 LARGE ANIMAL SURGERY

The course involves advanced training in veterinary surgery with emphasis on food animal and equine general surgery. Emphasis is placed on areas that are of most benefit to individual students. Topics include surgery of the skin and adnexa, orthopaedic-related surgery, abdominal surgery, respiratory tract surgery, and urogenital surgery. Any necessary additional training in diagnostic evaluation of surgical cases is provided. Students are involved in cases admitted to the Veterinary Teaching Hospital, and those examined at farms and training facilities.
PREREQUISITE: DVM or equivalent degree; permission of the instructor
HOURS OF CREDIT: 3 hours

VHM 846 EQUINE SURGERY AND LAMENESS

The course involves advanced training in equine surgery with emphasis on orthopedic and soft tissue surgery. Emphasis is placed on areas that are of most benefit to individual students. Topics include surgery of the skin and adnexa, orthopedic related surgery, lameness evaluation, abdominal surgery, respiratory tract surgery, and urogenital surgery. Any necessary additional training in diagnostic evaluation of surgical or lameness cases is provided. Students are involved in cases admitted to the Veterinary Teaching Hospital, and cases examined at farms and training facilities.
PREREQUISITE: DVM or equivalent degree; permission of the instructor
HOURS OF CREDIT: 3 hours
LAB/SEMINAR: 6 hours

VHM 851 TOPICS IN ANIMAL NUTRITION

This course reviews a selection of new developments in ruminant and non-ruminant nutrition. Research papers in the discipline are critically evaluated.
PREREQUISITE: Permission of the instructor
SEMINARS: 2 hours
HOURS OF CREDIT: 2

VHM 860 RESEARCH PROJECT (MVSc program)

Each student in the MVSc program is required, under the supervision of a graduate faculty committee, to satisfactorily complete a small research project. The project may be based on either a clinical investigation or a special topic such as a prospective or retrospective case study. The project report should make some contribution to the body of knowledge in that field and it should lead to a paper suitable for publication in a refereed journal.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

HOURS OF CREDIT: 6

VHM 861 NUTRITION AND DIGESTIVE PROCESSES IN SWINE

This course covers digestive processes and nutrient requirements of swine. Areas include factors affecting voluntary feed intake and appetite, amino acid requirements, protein digestion, energy requirements, carbohydrate and lipid digestion, dietary protein/energy interactions, and requirements for vitamins and minerals. The role of fibre in the diet is discussed, as is its digestion. The course concludes with a summary of mechanisms of nutrient absorption.

PREREQUISITE: Undergraduate course in animal nutrition; permission of the instructor

Two hours per week

VHM 871 HERD HEALTH AND PRODUCTION MANAGEMENT OF DAIRY CATTLE

This course provides graduate students with an understanding of the principles of Herd Health and Production Management programs, udder and foot health, control of infectious diseases, fertility, young stock rearing, and farm economics. Lab exercises include analysis of data of farms that are enrolled in the Herd Health and Production Management program of the Farm Service group of the AVC.

PREREQUISITE: DVM or equivalent; permission of the co-ordinator

HOURS OF CREDIT: 3 hours

LECTURE/LAB: 5 hours

VHM 881-882 DIRECTED STUDIES

This course is a thorough study of a selected problem or topic in the discipline. The course may include directed reading, directed research, or collection and analysis of data. The student will prepare a written report and present a seminar on the topic.

PREREQUISITE: Permission of the instructor

HOURS OF CREDIT: 1-3

VHM 890 SEMINAR

In this course, students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to MSc or MVSc program

HOURS OF CREDIT: 1

VHM 990 SEMINAR

This is a seminar course in which students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to PhD program

HOURS OF CREDIT: 1

F) PATHOLOGY & MICROBIOLOGY

VPM 801 APPLIED PATHOLOGY

This course is a study of the pathogenesis and diagnosis of diseases of domestic animals and wildlife consisting of case studies, seminars, tutorials, and assigned reading.

PREREQUISITE: DVM; permission of the instructor

SEMINARS: 1 hour

TUTORIALS: 2 hours

HOURS OF CREDIT: 3

VPM 811 DISEASES OF CULTURED FISH

This course reviews fish culture systems and the diseases encountered in cultured fish. The lecture and laboratory course covers culture techniques for fin fish and shell fish, and the etiology, pathogenesis, diagnosis, and treatment of fish diseases.

PREREQUISITE: DVM or BSc (Biology); permission of the instructor

LECTURES: 2 hours

LABORATORIES: 2 hours

HOURS OF CREDIT: 3

VPM 812 RECENT ADVANCES IN IMMUNOLOGY

This is a lecture/seminar course designed to study in detail areas of immunology which reflect current interest or controversy. Major concepts in immunology are covered.

PREREQUISITE: Permission of the instructor

LECTURES: 1 hour

SEMINARS: 2 hours

HOURS OF CREDIT: 3

VPM 821 CONCEPTS IN VIRAL PATHOGENESIS

This is an advanced course reviewing the mechanisms by which viruses cause disease. The emphasis is on general concepts and mechanisms. Selected viral infections are used to illustrate the general concepts of virus-host interaction.

PREREQUISITE: Permission of the instructor

LECTURES: 2 hours

SEMINARS: 1 hour

HOURS OF CREDIT: 3

VPM 822 ADVANCES IN BACTERIOLOGY

This course focuses on recent advances in the mechanisms of bacterial pathogenesis and molecular microbiology. Lectures and seminars will cover well-understood topics in these areas and will include the application of biotechnology for the development of vaccines and diagnostic reagents.

PREREQUISITE: Undergraduate microbiology; permission of the instructor

LECTURES: 2 hours

SEMINARS: 1 hour

HOURS OF CREDIT: 3

VPM 823 DIAGNOSTIC ANATOMIC PATHOLOGY I

In this course, the student is taught necropsy techniques, including how to examine animals submitted for post mortem diagnosis. Pathogenesis and morphologic diagnosis of diseases prevalent in the fall season are emphasized. The student is required to complete at least 30 to 50 cases. The report on every case is to include a summary of all ancillary tests done in other units of the diagnostic laboratory. Selected cases are discussed at weekly pathology rounds. In addition, the student is exposed to techniques in histology, histochemistry, immuno-histochemistry, and macro- and micro-photography.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 824 DIAGNOSTIC ANATOMIC PATHOLOGY II

In this course, the student gains further experience in necropsy techniques and interpretation of lesions. Pathogenesis and morphologic diagnosis of diseases prevalent in the winter are emphasized. The student is required to complete at least 30 to 50 cases. The report on every case is to include a summary of all ancillary tests done in other units of the diagnostic laboratory. Selected cases are discussed at weekly necropsy rounds.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 825 DIAGNOSTIC ANATOMIC PATHOLOGY III

In this course, the student is expected to gain further experience in necropsy techniques and interpretation of lesions. Pathogenesis and morphologic diagnosis of diseases prevalent in spring and summer are emphasized. The student is required to complete at least 30 to 50 cases. The report on every case is to include a summary of all ancillary tests done in other units of the diagnostic laboratory. Selected cases are discussed at weekly necropsy rounds.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 826 ADVANCED DIAGNOSTIC ANATOMIC PATHOLOGY

In this course, the student is expected to gain further experience in necropsy techniques and interpretation of lesions. Morphologic diagnosis of diseases prevalent in a given season is emphasized and a more in-depth discussion of their pathogenesis is expected. The student is required to complete at least 50 to 60 cases. The report on every case is to include a summary of all ancillary tests done in other units of the diagnostic laboratory. Selected cases are discussed at weekly necropsy rounds.

PREREQUISITE: VPM 823, VPM 824, or VPM 825 or equivalent; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 827 DIAGNOSTIC CLINICAL PATHOLOGY I

In this course, initial training in diagnostic clinical pathology during the fall is provided. Interpretations and presentations of clinical biochemistry, hematology, urology, and cytology samples from a variety of species are undertaken by the student. Formal case discussions and directed reading supplement the clinical material, with emphasis on diseases prevalent in the summer and fall.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 828 DIAGNOSTIC CLINICAL PATHOLOGY II

In this course, training in diagnostic clinical pathology during the winter is provided. Interpretations and presentations of clinical biochemistry, hematology, urology, and cytology samples from a variety of species are undertaken by the student. Formal case discussions and directed reading supplement the clinical material, with emphasis on diseases prevalent in the winter and spring.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 833 ADVANCED DIAGNOSTIC CLINICAL PATHOLOGY I

In this course, further experience in diagnostic clinical pathology during the fall is provided. Interpretations and presentations of clinical biochemistry, hematology, urology, and cytology samples from a variety of species are undertaken

by the student. Formal case discussions and directed reading supplement the clinical material, with emphasis on diseases prevalent in the summer and fall.

PREREQUISITE: VPM 827 & VPM 828; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 834 ADVANCED DIAGNOSTIC CLINICAL PATHOLOGY II

In this course, further experience in diagnostic clinical pathology during the winter is provided. Interpretations and presentations of clinical biochemistry, hematology, urology, and cytology samples from a variety of species are undertaken by the student. Formal case discussions and directed reading supplement the clinical material, with emphasis on diseases prevalent during the winter and spring.

PREREQUISITE: VPM 827 & VPM 828; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 835 SURGICAL PATHOLOGY I

In this course, the student is provided initial training in gross and microscopic examination of biopsy materials and fixed specimens submitted to the diagnostic laboratory during the fall. Morphologic diagnosis and prognosis are emphasized, especially with regard to neoplastic diseases. The student is required to complete at least 30 to 50 cases. Selected cases are discussed at weekly necropsy rounds. In addition, the student is exposed to techniques in histochemistry and immuno-histochemistry.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 836 SURGICAL PATHOLOGY II

In this course, the student is provided further training in gross and microscopic examination of biopsy materials and fixed specimens submitted to the diagnostic laboratory during the winter. Morphologic diagnosis and prognosis are emphasized, especially with regard to neoplastic diseases. The student is required to complete at least 30 to 50 cases. Selected cases are discussed at weekly necropsy rounds. In addition, the student is exposed to techniques in histochemistry and immuno-histochemistry.

PREREQUISITE: DVM degree or equivalent; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 837 SURGICAL PATHOLOGY III

In this course, the student is provided further training in gross and microscopic examination of biopsy materials and fixed specimens submitted to the diagnostic laboratory during the spring and summer. Morphologic diagnosis and prognosis are emphasized, especially with regard to neoplastic diseases. The student is required to complete at least 30 to 50 cases. Selected cases are discussed at weekly necropsy rounds. In addition, the student is exposed to techniques in histochemistry and immuno-histochemistry.

PREREQUISITE: DVM degree or equivalent; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 838 ADVANCED SURGICAL PATHOLOGY

In this course, the student is provided a more advanced training in gross and microscopic examination of biopsy materials and fixed specimens submitted to the diagnostic laboratory during the second year of study. Morphologic diagnosis, pathogenesis, and prognosis are emphasized, especially with regard to neoplastic diseases. The student is required to complete at least 50 to 60 cases. Selected cases are discussed at weekly necropsy rounds. In addition, the student is exposed to techniques in histochemistry and immuno-histochemistry.

PREREQUISITE: VPM 835, VPM 836, or VPM 837 or equivalent; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 845 DIAGNOSTIC BACTERIOLOGY I

In this course students gain “hands-on” experience in clinical veterinary bacteriology. Various bacteria associated with disease conditions in animals are identified using microscopic (including fluorescent microscopy), cultural and biochemical methods. Emphasis is placed on study of case histories, and interpretation of results including antimicrobial susceptibility data. Other responsibilities include familiarization with new diagnostic techniques, and completion of 30 cases by each student.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 846 DIAGNOSTIC BACTERIOLOGY II

In this course students gain additional “hands-on” experience in clinical veterinary bacteriology. Various bacteria associated with disease conditions in animals are identified using microscopic (including fluorescent microscopy), cultural and biochemical methods. Emphasis is placed on study of case histories, and interpretation of results including antimicrobial susceptibility data. Other responsibilities include familiarization with new diagnostic techniques, and completion of 30 cases by each student.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 847 DIAGNOSTIC VETERINARY VIROLOGY I

This practical course deals with the isolation and identification of viruses in cell culture, chick embryos, or animals, and their detection using immunoassays. The student is required satisfactorily to complete about 60 cases. In weekly discussions, special emphasis is also placed on understanding approaches to the diagnosis of viral diseases, sterilization, disinfection and biosafety, sterile technique in collection of specimens, and processing, packaging, and shipment of specimens for virus diagnosis.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LABORATORY: 5 hours

SEMINAR: 0.5

TUTORIAL: 0.5

HOURS OF CREDIT: 3

VPM 848 DIAGNOSTIC VETERINARY VIROLOGY II

This practical course deals with the isolation and identification of viruses in cell culture, chick embryos, or animals, and their detection using immunoassays. Tutorials utilize selected

clinical cases to familiarize the student with the interpretation of laboratory test results. Current trends in diagnostic virology, serology, and vaccinology are covered in group discussions on assigned readings in scientific literature.

PREREQUISITE: VPM 847; permission of the instructor

LAB/SEMINARS: 2 hours

TUTORIAL: 4 hours

HOURS OF CREDIT: 3

VPM 849 DIAGNOSTIC IMMUNOLOGY

This course covers a variety of immunodiagnostic techniques. Principles of serologic techniques and their application to disease diagnosis are discussed. The development of these techniques and their validation is covered in lectures and during laboratory sessions. Principles of immunohistological testing for both infectious diseases and for immunological diseases are discussed with relevant clinical examples, as are other immunochemical tests for immune-mediated disease.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LECTURES: 2 hours

LAB/SEMINARS: 2 hours

HOURS OF CREDIT: 3

VPM 853 RESEARCH PROJECT (GRAD.DIP PROGRAM)

Each student in the Diploma program is required, under the supervision of a graduate faculty committee, to complete satisfactorily a small research project. The project may be based on either a laboratory investigation or a special topic such as a prospective or retrospective case study in the student's principal area of interest.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 6 hours

HOURS OF CREDIT: 3

VPM 860 RESEARCH PROJECT (MVSc PROGRAM)

Each student in the MVSc program is required, under the supervision of a graduate faculty committee, to complete satisfactorily a small research project in the second year of study. The project may be based on either a laboratory investigation or a special topic such as a prospective or retrospective case study. The project report should make some contribution to the body of knowledge in that field and it should lead to a paper suitable for publication in a refereed journal.

PREREQUISITE: DVM or equivalent degree; permission of the instructor

LAB/SEMINARS: 12 hours

HOURS OF CREDIT: 6

VPM 862 CELLULAR PATHOLOGY

This course is an in-depth study of cellular pathology. Lectures and seminars centre around a variety of topics, including immunopathology, inflammation, healing disorders of cell growth, cell degeneration, and cell necrosis. Both mammalian and ectothermic aquatic animal systems are discussed.

PREREQUISITE: Permission of course co-ordinator

LECTURES: 2 hours

SEMINARS: 1 hour

HOURS OF CREDIT: 3

VPM 871 MOLECULAR BIOLOGY TECHNIQUES

This course introduces students to basic techniques involved in recombinant DNA research and their application to the genetic analysis of animal viruses and other pathogens of

veterinary importance. Students learn the principles and practical aspects of molecular biology techniques through lectures (2 hrs/wk), and hands-on-experience (6 hrs+ /wk). Emphasis is placed on the following topics: techniques for the manipulation of nucleic acids, hybridization methods, gene cloning, DNA sequencing, gene expression, and PCR technology.

LECTURES: 2 hours

LABORATORIES: 6 hours

HOURS OF CREDIT: 4

VPM 872 ADVANCED HELMINTHOLOGY

This course is an in-depth study of helminth taxonomy/morphology and recent advances in knowledge of the major helminth parasites of wild and domestic animals. Identification of helminth parasites recovered at necropsy and on histologic sections is taught through lecture and laboratories. Additional lecture/laboratory topics include field and laboratory techniques used in the study of helminth infections and recent advances in disease pathogenesis, life cycle transmission, diagnostic procedures, and immunology of helminth parasites.

PREREQUISITE: Permission of the instructor

LECTURES: 2 hours

LABORATORIES: 2

HOURS OF CREDIT: 3

VPM 881-882 DIRECTED STUDIES

This course is a thorough study of a selected problem or topic in the discipline. The course may include directed reading, directed research, or collection and analysis of data. The student will prepare a written report and present a seminar on the topic.

PREREQUISITE: Permission of the instructor

HOURS OF CREDIT: 1-3

VPM 890 SEMINAR

In this course, students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to MSc program

HOURS OF CREDIT: 1

VPM 990 SEMINAR

This is a seminar course in which students attend and present annual seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Admission to PhD program

HOURS OF CREDIT: 1

Master of Education in Leadership in Learning Program (MEd)

The MEd in Leadership in Learning program is designed to provide experienced educators with the knowledge and skills required to become more effective educational leaders. The overall aim of the program is to promote and support educational scholarship and research.

A) PROGRAM REQUIREMENTS

Students enrolled in the graduate program are required to complete five compulsory courses (15 semester-hours), three elective courses (9 semester-hours) and a thesis (12 semester-hours).

Compulsory Courses

Education 611 Introduction to Research Methods in Education

Education 612 Quantitative Research Design
or

Education 613 Qualitative Research Design

Education 614 Theories and Principles of Learning

Education 615 Educational Leadership

Education 695 Graduate Seminar

Elective Courses

Education 601 Selected Topics in Education

Education 616 Action Research in Education

Education 617 Issues in Educational Leadership

Education 618 Learning, Leadership and Reflective Practice

Education 619 Critical Pedagogy

Education 621 Current Research in Learning

Education 622 Research on Learning Difficulties

Education 623 Statistics for Research in Education

Education 624 Change: Leadership in Learning

Education 625 Curriculum: Leadership in Learning

Education 626 Technology: Leadership in Learning

Education 627 Global Education

Education 628 International Education and Development

Education 629 Program Evaluation

Education 691 Directed Study

Thesis

Education 699 Thesis

B) THE THESIS

Each candidate for the degree of Master of Education is required to submit a thesis based upon research conducted under supervision as described in this section of the calendar. The thesis must demonstrate the student's capacity for original and independent research and should extend the knowledge base in the field under study.

General specifications as to paper, format, order, and binding are available from the Office of the Co-ordinator of Graduate Studies.

The student should consult frequently with the Supervisor and the Supervisory Committee when preparing the thesis. After the final draft has been read and approved by the members of the Supervisory Committee, four copies must be submitted to the Co-ordinator of Graduate Studies for dissemination to members of the Examining Committee. These copies must be submitted no later than four weeks prior to the student's oral defence.

The Master's Examination The final oral examination, which is devoted chiefly to the defence of the thesis, is a Faculty examination, identified as the Master's Examination. Normally, the Examining Committee consists of the two members of the Supervisory Committee, one other member of the Faculty of Education, and one reader, external to the University, who submits a written report attesting to the

quality of the work. The Co-ordinator of Graduate Studies selects the Examining Committee at the request of the Supervisor, appoints the Chair, and is responsible for notifying the Dean of Education of its composition.

Normally, the final oral examination is open to the public; however, members of the public may question the student only upon the invitation of the Chair of the Examining Committee.

The examination is passed and the thesis approved if there is no more than one negative vote; an abstention is considered to be a negative vote. The Co-ordinator of Graduate Studies is responsible for reporting the result of the examination to the Dean of Education. The result is recorded as “Accepted as is,” “Accepted after minor revision,” “Accepted after substantial revision,” or “Unacceptable.” The result “Accepted after minor revision” normally entails editorial changes. If the result is “Accepted after substantial revision,” the student may be given the opportunity by the Examining Committee to revise the thesis with or without defending again. If the thesis revision is successful, the thesis supervisor is to sign before the thesis is presented to the Graduate Studies Committee. Four copies, including one unbound copy, should be presented to the Graduate Studies Committee. If the result is “Unacceptable,” the student may be given the opportunity by the Examining Committee to revise the thesis and to defend it again.

Submission of Thesis When the thesis, in its final form, has been prepared after the final oral examination, the student will bring six unbound copies to the Co-ordinator of Graduate Studies at least three weeks prior to Convocation.

Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.

When accepted by the Co-ordinator of Graduate Studies, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to the Faculty of Education. A third copy will be released to the student’s supervisor and three copies will be released to the student.

Publication The University requires publication of the thesis in the following manner:

One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in Canadiana as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming.

Library and Archives Canada’s Microfilm Agreement form will be sent to the candidate prior to the Master’s Examination, to be signed and submitted to the Co-ordinator of Graduate Studies immediately after the successful completion of the examination.

The student, in consultation with the Supervisor and the Co-ordinator of Graduate Studies, shall have the right to request

that circulation and/or copying of the thesis in any form be withheld for up to one year.

Circulation and Copying of Thesis In normal circumstances, as a condition of engaging in graduate study at the University, the author of a thesis grants certain licences and waivers in respect of the circulation and of copying of the thesis:

- i. to the University Librarian, a waiver permitting the circulation of the thesis as part of the Library collection;
- ii. to the University, a licence to make single copies of the thesis under carefully specified conditions; and
- iii. to Library and Archives Canada, a licence to microfilm the thesis under carefully specified conditions.

Copyright Provision Copies of the thesis shall have on the title page the words, “In partial fulfilment of requirements for the degree of Master of Education.” The international copyright notice, which consists of three elements in the same line—the letter “C” enclosed in a circle; the name of the copyright owner (the student); and the year—should appear as a bottom line on the title page of the thesis.

c) GRADUATE COURSES

NOTE: All courses within the Master’s Program are graded on a Pass/Fail model.

ED 601 SELECTED TOPICS IN EDUCATION

In this course, students investigate special topics in the field of public school education. Students carry out literature reviews and conduct research on approved topics that are of common interest to educators. Students share their research findings in a seminar format.

PREREQUISITE: Permission of the instructor

Seminar: 3 hours

Hours of Credit: 3

ED 611 INTRODUCTION TO RESEARCH METHODS IN EDUCATION

In this course, students are introduced to a variety of methods that are appropriate for conducting research in educational settings. Students develop an understanding of qualitative and quantitative research methodologies. Students are introduced to the process of planning, conducting, and reporting research on learning and instruction, and to the critical analysis of current studies reported in educational literature.

PREREQUISITE: Education 481 or equivalent, or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 612 QUANTITATIVE RESEARCH DESIGN

In this course, students explore the characteristics of quantitative methodology and examine their usefulness in conducting educational research. The methods discussed include causal-comparative, correlational, and experimental. Students learn how to state hypotheses, define and measure variables, select samples, collect and analyze data, and prepare research reports. Students design a research study on a topic related to learning and instruction.

PREREQUISITE: Education 611 or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 613 QUALITATIVE RESEARCH DESIGN

In this course, students study the development of qualitative research methodology and explore approaches drawn from this model that are used frequently by educational researchers. Students examine the use of observational techniques, interviews, questionnaires, and personal and official documents. Students design studies using qualitative methods.

PREREQUISITE: Education 611 or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 614 THEORIES AND PRINCIPLES OF LEARNING

In this course, students examine major contemporary theories and principles of learning.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 615 EDUCATIONAL LEADERSHIP

In this course, students examine the field of educational leadership. Educational leadership extends beyond the role of the school administrator and focuses upon the development of teachers as leaders who impact on creating effective educational environments. Students research aspects of leadership that impact on schools, and explore models of effective leadership through case studies and simulation.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 616 ACTION RESEARCH IN EDUCATION

In this course, students explore ways in which teachers can systematically examine their own classroom practices using action research strategies. Emphasis is placed on issues such as topic selection, methodology, data collection and analysis, and interpretation of results. This process of inquiry is directed towards reflective practice.

PREREQUISITE: Education 611, and 612 or 613, or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 617 ISSUES IN EDUCATIONAL LEADERSHIP

In this course, students examine current issues in educational leadership. Students research the factors that influence educational leadership, such as socio-economic trends, school restructuring, curriculum development, and educational technology.

PREREQUISITE: Education 615 or equivalent, or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 618 LEARNING, LEADERSHIP AND REFLECTIVE PRACTICE

In this course, students examine processes of reflective practice such as analytic problem-solving and self-assessment. Students research reflective practices that have made positive contributions to learning and leadership.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 619 CRITICAL PEDAGOGY

In this course, students examine the social conditions and practices that shape education. Students explore schools in their historical, economic, political, cultural, and social contexts.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 621 CURRENT RESEARCH IN LEARNING

In this course, students review current research on learning and instruction that has influenced program development and instructional practices. Current research studies are examined to evaluate their validity and usefulness.

PREREQUISITE: Education 611 and 614, or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 622 RESEARCH ON LEARNING DIFFICULTIES

In this course, students examine the research on learning difficulties, and conduct research to identify effective strategies that can be applied in their teaching.

PREREQUISITE: Education 611 or permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 623 STATISTICS FOR RESEARCH IN EDUCATION

This course provides students with advanced statistical skills that are commonly used in empirical research designs. Students examine more advanced topics in analysis of variance, such as repeated measures in one-way and factorial designs, and multiple regression and multivariate statistics (e.g., discriminant analysis and factor analysis). Although computer programs for data analyses are used, emphasis is placed on the interpretation of statistical results.

PREREQUISITE: Education 481 or equivalent and 612, or permission of the instructor

Lecture: 1 hour

Laboratory: 1 hour

Seminar: 1 hour

Hours of Credit: 3

ED 624 CHANGE: LEADERSHIP IN LEARNING

In this course, students examine the research on models of innovation and change that have had an impact on education over the last 30 years. Students explore the role of leadership in facilitating change in education.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 625 CURRICULUM: LEADERSHIP IN LEARNING

In this course, students examine research into recent curriculum developments that are based on principles of integration, resource-based learning, and holistic learning, and which require the use of alternative assessment approaches. In addition, the impact of these developments on teachers' instructional strategies and students' learning are investigated. The focus is on the integration of knowledge about curriculum design and teaching in order to develop leadership skills for curriculum change.

PREREQUISITE: Permission of the instructor

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 626 TECHNOLOGY: LEADERSHIP IN LEARNING

This course provides an opportunity for students to examine and critique current research trends in information and communication technology in education. Leadership models for the implementation of technology plans are studied and evaluated. A major portion of work for this course takes place in an online learning environment.

Lecture: 1 hour

Seminar: 2 hours

Hours of Credit: 3

ED 627 GLOBAL EDUCATION

In this course, students examine the theory and practice of global education as it has developed in Canada and elsewhere. Other curriculum innovations that have contributed to global education (e.g., development education, environmental education, human rights education, peace education) are also examined. Interactive and participatory learning methodologies are used to encourage reflection on the teaching of contemporary social and global issues in a variety of educational contexts.

PREREQUISITE: Permission of the instructor

Seminar: 3 hours

Hours of Credit: 3

ED 628 INTERNATIONAL EDUCATION AND DEVELOPMENT

In this course, students examine how education is organized and practised in other countries, and its relationship to cultural, economic, and social development. Insights into education systems in Canada are afforded through comparing these with others around the world. In addition to common themes of study, students explore topics of their choice through the methodology of a comparative case study. Electronic communication with teachers in other countries provides first-hand information.

PREREQUISITE: Permission of the instructor

Seminar: 3 hours

Hours of Credit: 3

ED 629 PROGRAM EVALUATION

In this course, students study the various concepts and issues in program evaluation. Students research the literature on program evaluation to understand the tools and knowledge necessary for conducting an evaluation assessment.

PREREQUISITE: Permission of the instructor

Seminar: 3 hours

Hours of Credit: 3

ED 691 DIRECTED STUDY

In this course, individual students pursue a special topic or issue in education. Before approval is granted, each student

must prepare a detailed outline of the contents of the course, and obtain the consent of a faculty member to supervise the work.

PREREQUISITE: Permission of the Dean and Co-ordinator of Graduate Studies, or permission of the instructor

Tutorial: 3 hours

Hours of Credit: 3

ED 695 GRADUATE SEMINAR

In this course, students attend and present seminars on topics in their discipline, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.

PREREQUISITE: Education 611, 612/613, 614, 615, or permission of the instructor

Seminar: 3 hours

Hours of Credit: 3

ED 699 THESIS

Each student in the Master of Education program is required, under the supervision of a Faculty Advisor and Thesis Committee, to write a thesis based on research into an approved topic. It must demonstrate the candidate's ability to conduct original independent work, and include a critical evaluation of the principal works published on the subject of the thesis. It should make an original contribution to the body of knowledge in that field of study.

PREREQUISITE: Admission to the MEd program

Hours of Credit: 12 upon completion of thesis

Master of Arts (MA) Program

A) PROGRAM REQUIREMENTS

The MA degree of the University of Prince Edward Island requires the demonstration of a reasonable mastery of a concentrated field of study. The latter is attested by the achieving of satisfactory standings in the minimum number of graduate courses required by the respective Faculty, the completion of a research project, and the writing of a thesis based upon the research.

Graduate students will register in the interdisciplinary MA program in Island Studies, under the Dean of Arts. Each student's program of study will be designed in consultation with the Program Administrator and student's Supervisor.

There will be considerable interaction and co-operation among the departments to provide courses and research facilities to meet the needs of individual students and their research projects.

In addition to the "General Regulations for Graduate Programs," described above, the following regulations apply specifically to the Master's degree:

Residency Requirements Normally, at least two semesters of full-time study in residence at the University must be devoted to the Master's program if the student is admitted as a regular student. Upon completion of the residency requirement, the student is then eligible to become a candidate for the MA degree. Normally, the thesis must be formally submitted or the program be otherwise complete within 48 months of the completion of the residency requirement. Departure from these normal requirements requires approval from the Graduate Studies Committee.

B) COURSES

Prescribed Studies The proportion of weight attached to the research and thesis may vary, even within a department. Accordingly, the number of courses and/or general examinations may correspondingly vary. In no case, however, will the minimum requirements be less than those outlined in the following two paragraphs. For graduate credit, the courses selected must be acceptable to the Department and the Graduate Studies Committee. The candidate must maintain an average grade of at least a “B” standing (see Grades in General Regulations section) in the substantive courses outlined below in order to maintain registration in the program.

In the Faculty of Arts, students are required to take a minimum of three substantive courses at the graduate level and the appropriate one-credit Graduate Seminar for their program, totalling a minimum of 10 credit hours. The Seminar course is required and must be taken in the first year of study. Students may take only one Directed Studies course for credit. Students lacking an Honours degree or background in one or more area may, at the discretion of the Supervisory Committee, be required to take the appropriate undergraduate level course(s).

For the MA in Island Studies, up to six courses in addition to the Seminar may be required because of the interdisciplinary nature of the program. Advanced Topics in Island Studies I and II are both required courses and must be taken in the student's first year, along with the Graduate Seminar.

A department may require examinations (oral and/or written), from time to time, to evaluate the student's progress in his/her overall program.

Additional Courses In addition to these prescribed studies, the candidate may undertake to achieve satisfactory standings in courses supportive of the special discipline. These courses may be at either the undergraduate or the graduate level. The standings obtained in them will not affect the average grade of the prescribed studies.

When a student is required to register in a seminar or colloquium course in more than one semester, the record will show a grade or a designation of “In Progress” for semesters prior to completion of the course and “Pass” or “Fail” for the final semester. With the consent of the Supervisory Committee, and of the instructor and the Department Chair concerned (or the Dean of Arts in the case of the MA in Island Studies), a student may register for, and audit, all or part of a course. It is understood that the student will attend lectures as prescribed, but will not write any examination or receive any grade. Such a course may be recorded as an additional course, identified by AUD.

C) THE THESIS

Research Normally, the equivalent of at least two full-time semesters must be devoted to research in fulfilment of the thesis requirement. Summers during which research work is actively conducted may be counted as research semester equivalents, even though courses would not normally be offered at that time. In order to avoid undue prolongation of the time required to complete the degree, the research topic should be identified early and approved by the Supervisory Committee. Research involving the use of animals must follow the Guidelines of the Canadian Council on Animal Care.

Research involving human participants must adhere to the Tri-Council policy on research ethics and be approved by the University's Research Ethics Board.

Thesis Each candidate for the degree of Master of Arts is required to submit a thesis based upon the research conducted under supervision as described above. The thesis must demonstrate the candidate's capacity for original and independent work, and should include a critical evaluation of work which has previously been done in the field of his or her research. The thesis should emphasize any new conclusions which may be drawn from the candidate's own research.

General specifications as to paper, format, order, and binding are available from the Office of the Program Administrator.

Procedures The thesis may be handed in at any time of the year, but candidates must bear in mind the desirability of having the final examination as much in advance of the deadline date for thesis submission as possible. Candidates are advised to inform themselves of the deadlines schedule, a copy of which may be obtained in the Office of the Program Administrator. It is desirable that each candidate initiate discussion about examination dates with the Supervisor early in the final semester.

The candidate should keep in close touch with the Supervisor and the Supervisory Committee throughout the preparation of the thesis. The final draft of the thesis, after it has been reviewed by all members of the Supervisory Committee, is sent when ready for examination to the members of the Master's Examination Committee (see below).

Following the Master's Examination, the candidate, if successful, arranges for the preparation of the thesis in final form, and for its submission to the Program Administrator (see below). The thesis in final form must include any minor corrections or revisions indicated during the Examination. Approval of the thesis takes the form of a Certificate of Approval, signed by the Examination Committee.

The Master's Examination The final oral examination, devoted chiefly to the defence of the thesis, is a departmental examination identified as the Master's Examination and carried out by the Master's Examination Committee.

In the Faculty of Arts, the Master's Examination Committee normally consists of five members as follows:

- i) three members of the Supervisory Committee, including the Supervisor of the candidate's research;
- ii) one member who is not part of the student's Supervisory Committee, appointed by the Graduate Studies Committee of the Faculty of Arts. This external examiner may be from the University of Prince Edward Island, or from another University or Research Institute, as is deemed appropriate; and
- iii) the Co-ordinator of Graduate Studies (or designate), who will chair the Master's Examination Committee.

The Department Chair (or the Dean of Arts, in the case of the MA in Island Studies) selects the Examination Committee at the request of the Supervisor and is responsible for notifying the Program Administrator of its composition.

The Examination is normally open to the public; however, members of the audience may question the candidate

only upon invitation of the Chair of the Committee. The Examination is passed and the thesis approved in principle if there is no more than one negative vote, an abstention being regarded as a negative vote. The report, from the Department Chair (or the Dean of Arts, in the case of the MA in Island Studies) to the Program Administrator, records the result as “unsatisfactory,” “satisfactory,” or “distinguished.” If the result is “unsatisfactory,” the candidate may be given the opportunity by the Master’s Examination Committee of a second attempt. A second “unsatisfactory” result will terminate candidacy at this university.

D) GRADUATE COURSES

IST 601 ADVANCED TOPICS IN ISLAND STUDIES I

This course explores contemporary and historical research questions and issues central to the interdisciplinary and comparative study of small islands and archipelagos. Topics include islands’ identity, characteristics, challenges, opportunities, cultures, geography, economics, history, environmental concerns, and governance systems.
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 602 ADVANCED TOPICS IN ISLAND STUDIES II

A continuation of IST 601. Students will be required to complete a draft thesis proposal for submission to their Supervisory Committee.
PREREQUISITE: IST 601 and concurrent registration in IST 603 Graduate Seminar
Semester-hours of credit: 2
Hours per week: 2
Lecture: 1
Seminar: 1

IST 603 GRADUATE SEMINAR

In this course, students attend and present annual seminars on topics related to island studies, are evaluated on their seminars, and provide constructive criticism to others giving seminars in the course.
PREREQUISITE: IST 601 and simultaneous registration in IST 602
Semester-hours of credit: 1
Hours per week for Seminar: 1

IST 604 RESEARCH METHODS AND DESIGN FOR ISLAND STUDIES

Introduction to research methods and research design as they pertain to study of small islands. The non-availability of island-specific data in non-island jurisdictions and researchers’ perspectives and points of view will be considered.
PREREQUISITES: Admission into a UPEI graduate program or eligibility for graduate studies
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 609 MIGRATION AND MOVEMENT AMONG SMALL ISLANDS

This course examines the diverse issues arising from migration and movement among and within small islands. Topics will include the creation of small-island societies through successive and often competing waves of colonization by migrants, adventurers, and/or conquerors, as well as the

complex two-way traffic that generally characterizes the subsequent development of island societies. Case studies of specific small islands, as well as comparative assessment of different small-island cases, provide opportunities to investigate the themes discussed in a concrete and practical manner.

PREREQUISITE: Admission into a UPEI graduate program or eligibility for graduate studies
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 611 STRATEGIES FOR ECONOMIC DEVELOPMENT FOR SMALL ISLANDS

Using case studies, this course introduces the comparative study of economic development strategies applicable to small-island economies.
PREREQUISITES: Admission into a UPEI graduate program or eligibility for graduate studies
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 612 THE INTERNATIONAL RELATIONS OF SMALL ISLAND STATES

Small-island states share a wide range of issues that are either exclusive to small islands or of particular salience for these island states. This course explores in-depth the international agenda for small-island states, the channels and resources involved in their international relations, and the attention and commitment of metropolitan states and international organizations.
PREREQUISITE: Admission into a UPEI graduate program or eligibility for graduate studies
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 613 THE POLITICAL ECOLOGY OF SMALL ISLANDS

This course examines the intersections among politics, policy, and island environments. The tension between external economic pressures and trans-jurisdictional environmental protection mechanisms, with particular emphasis on topics such as global warming, fishing stocks, and biodiversity, is examined. Other factors including cultural and political forces that encourage development despite environmental risks also are explored.
PREREQUISITE: Admission into a UPEI graduate program or eligibility for graduate studies
Semester-hours of credit: 3
Hours per week: 3
Lecture: 2
Seminar: 1

IST 614 ISLANDNESS: CULTURE, CHANGE, AND IDENTITY ON SMALL ISLANDS

In this course students investigate the effects of insularity on small-island populations. The relationship between the population’s identity (culture, ethnicity, self-confidence) and its economic and political choices is examined. Students examine history, folklore, art, literature, anthropology, economics, and political theories in the context of “islandness.”
PREREQUISITE: Admission into a UPEI graduate program, or eligibility for graduate studies.

Semester-hours of credit: 3

Lecture: 2 hours a week

Seminar: 1 hour a week

IST 615 PUBLIC POLICY IN SMALL ISLANDS

This course examines the determinants or causes of public policy in small-island jurisdictions. Students familiarize themselves with various models for understanding the causes of public policy and with selected frameworks for comparing policy across jurisdictions.

PREREQUISITE: Admission into a UPEI graduate program, or eligibility for graduate studies.

Semester-hours of credit: 3

Hours per week: 3

Lecture: 2

Seminar: 1

IST 616 DIRECTED STUDIES

Under the supervision of a faculty member, a graduate student independently pursues an area of interest in-depth. The course includes a thorough literature review of the topic and directed research.

NOTE: Students are permitted to take no more than one Directed Studies course towards the Master of Arts in Island Studies.

PREREQUISITE: Admission into a UPEI graduate program, or eligibility for graduate studies.

Semester-hours of credit: 3

IST 617 SPECIAL TOPICS

IST 699 THESIS

Each student in the Master of Arts in Island Studies program is required, under the supervision of his or her Supervisory Committee, to write a thesis on an approved topic. These topics will ordinarily be comparative: that is, they will require research regarding more than one island, preferably in more than one region or country. Each thesis will be expected to show evidence of original research or original analysis of existing bodies of knowledge or both.

PREREQUISITE: Successful completion of 18 credit hours of course work towards the MA

Semester-hours of credit: 12, upon completion of Thesis

Master of Applied Health Services Research Program (MAHSR)

This program is intended for students who are interested in pursuing a career in health research. By the end of the program, the student will have a demonstrated grounding in scholarly research techniques, experience in the healthcare field through their residency placement, and eight courses in healthcare research.

The Master's Degree in Health Services Research is a collaborative venture of Dalhousie University in Nova Scotia, Memorial University of Newfoundland, the University of New Brunswick, and the University of Prince Edward Island. The degree program provides knowledge and skills necessary to tackle complex health policy issues and contribute to the future of health services in Atlantic Canada. The Master's is co-ordinated through the Atlantic Research Training Centre (ARTC).

A) PROGRAM REQUIREMENTS

The following courses were designed and created specifically for the Master of Applied Health Services Research.

Compulsory Courses

AHS 601	Canadian Health System
AHS 602	Ethical Foundations of Applied Health Research
AHS 603	Research & Evaluation Design and Methods
AHS 604	Policy and Decision Making
AHS 605	Determinants of Health: Healthy Public Policy
AHS 606	Qualitative and Quantitative Methods
AHS 607	Knowledge Transfer and Research Uptake
AHS 608	Advanced Qualitative Methods
AHS 609	Advanced Quantitative Methods
AHS 610	Thesis

Review of Progress At the end of each semester, the academic record and progress of each student will be reviewed by the Children's Health Applied Research Team (CHART).

B) GRADES SCHEDULE

INC: A student who fails to complete all components of a course, such as assignments, examinations, and fieldwork, due to circumstances beyond his/her control (such as illness), may, with the permission of the professor and the Dean, be granted an amount of time deemed reasonable for the completion of said components.

If a student does not complete all the components of a course by the agreed-upon date, normally a grade of F shall replace INC on the transcript. In cases where the component left incomplete was not a requirement for passing the course, and where the student already has earned a passing grade without completing the component, the passing grade shall be submitted and shall replace INC on the transcript.

AUD: an "audited" course (additional courses only)

DISC: discontinued with permission

Seminar courses are graded as letter grades.

In the thesis, the work is reported as either satisfactory or unsatisfactory. The term **Distinguished (DIST)** is reserved for the use when both the thesis and the defence are of exceptionally high quality.

C) THE THESIS

Research Normally, the equivalent of 12 months of continuous study must be devoted to research in fulfilment of the thesis requirement. In order to complete the degree within a reasonable time frame, the research topic should be identified early in the student's program and approved by the Graduate Studies Committee. Research involving human subjects must be approved by the University's Research Ethics Committee.

Thesis Committee Students will outline a thesis proposal that outlines the particular area to be investigated. Normally this will happen during the second year of the program and will be prepared as part of an advanced qualitative or quantitative methods course. An academic defence is required and, in addition, students will make a public presentation of their thesis research to decision-makers.

The thesis committee will include a decision-maker where appropriate, and could include faculty from more than one participating institution. The thesis topic chosen must take into account the research interests of faculty across the three sites, as well as the capacity of the program to provide appropriate research supervision. Student research interests are conditional upon finding an appropriate supervisor and committee members with expertise in the topic of investigation.

Thesis Each candidate for the degree of Master of Applied Health Services Research is required to submit a thesis based upon research conducted under supervision as described in this section of the calendar. The thesis must demonstrate the student's capacity for original and independent research, and should extend the knowledge base in the field under study. General specifications as to paper, format, order, and binding are available from the Faculty of Education. The student should consult frequently with the Supervisor and the Supervisory Committee when preparing the thesis. After the final draft has been read and approved by the members of the Supervisory Committee, four copies must be submitted to the Co-ordinator of Graduate Studies in the Faculty of Education for dissemination to members of the Examining Committee. These copies must be submitted no later than four weeks prior to the student's oral defence.

The Master's Examination The final oral examination, which is devoted chiefly to the defence of the thesis, is a Faculty examination identified as the Master's Examination. Normally, the Examining Committee consists of the two members of the Supervisory Committee, one reader internal to the university, and one reader external to the university, who submits a written report attesting to the quality of the work. The Co-ordinator of Graduate Studies selects the Examining Committee at the request of the Supervisor, appoints the Chair, and is responsible for notifying CHART of its composition.

Normally, the final oral examination is open to the public; however, members of the public may question the student only upon the invitation of the Chair of the Examining Committee. The examination is passed and the thesis approved if there is no more than one negative vote; an abstention is considered to be a negative vote. The Co-ordinator of Graduate Studies is responsible for reporting the result of the examination to CHART. The result is recorded as "Accepted as is," "Accepted after minor revision," "Accepted after substantial revision," or "Unacceptable." The result "Accepted after minor revision" normally entails editorial changes. If the result is "Accepted after substantial revision," the student may be given the opportunity by the Examining Committee to revise the thesis with or without defending again. If the thesis revision is successful, the thesis supervisor is to sign before the thesis is presented to the Graduate Studies Committee. Four copies, including one unbound copy, should be presented to the Graduate Studies Committee. If the result is "Unacceptable," the student may be given the opportunity by the Examining Committee to revise the thesis and to defend it again.

Submission of Thesis When the thesis, in its final form, has been prepared after the final oral examination, the student will bring six unbound copies to the Co-ordinator of Graduate Studies at least three weeks prior to Convocation.

Each copy must be submitted in a separate folder with the pages numbered and arranged in the appropriate order. The

thesis must be free from typographical and other errors. All copies must include the Certificate of Approval signed by the Examination Committee and the members of the Supervisory Committee. Also included must be a brief Abstract and a copy of the circulation waiver and the copying licence.

When accepted by the Co-ordinator of Graduate Studies, one copy will be retained for microfilming and for deposit in the University Library after being bound. A second copy will be released to CHART. A third copy will be released to the student's supervisor and three copies will be released to the student.

Publication The University requires publication of the thesis in the following manner:

One unbound copy of the thesis is forwarded to Library and Archives Canada, together with an agreement form signed by the candidate authorizing Library and Archives Canada to microfilm the thesis and to make microfilm copies available for sale on request. Library and Archives Canada will film the thesis exactly as it is and will list the thesis in *Canadiana* as a publication of Library and Archives Canada. A fee is charged by Library and Archives Canada to offset the cost of microfilming.

Library and Archives Canada's Microfilm Agreement form will be sent to the candidate prior to the Master's Examination, to be signed and submitted to the Co-ordinator of Graduate Studies immediately after the successful completion of the examination.

The student, in consultation with the Supervisor and the Co-ordinator of Graduate Studies, shall have the right to request that circulation and/or copying of the thesis in any form be withheld for up to one year.

Circulation and Copying of Thesis In normal circumstances, as a condition of engaging in graduate study in the University, the author of a thesis grants certain licences and waivers in respect of the circulation and of copying of the thesis:

- i. to the University Librarian: a waiver permitting the circulation of the thesis as part of the Library collection;
- ii. to the University: a licence to make single copies of the thesis under carefully specified conditions; and
- iii. to Library and Archives Canada: a licence to microfilm the thesis under carefully specified conditions.

Copyright Provision Copies of the thesis shall have on the title page the words, "In partial fulfilment of requirements for the degree of Master of Applied Health Services Research." The international copyright notice, which consists of three elements in the same line—the letter "C" enclosed in a circle; the name of the copyright owner (the student); and the year—should appear as a bottom line on the title page of the thesis.

Retention/Maintenance of Records In the interests of good scholarly practice and in order to substantiate claims of intellectual property, graduate students should keep complete, dated records of their research. These records may be in the form of bound notebooks, log books, or other documentation, as appropriate to the discipline. Students should also retain copies of significant drafts and notes, and of all material

submitted for evaluation, presentation, publication, or by the way of informal contribution to collaborative research projects. They must also realize that raw data and other research results should remain accessible at all times to all other members of any collaborative research activity.

Unacceptable Thesis If a candidate is unable to prepare an acceptable thesis, the Supervisory Committee will so report to the Graduate Studies Committee and CHART (sending to the student a copy of the report).

D) GRADUATION

Graduate students should make formal application for graduation not later than **31 October** of the academic year in which they expect to complete their requirements for their programs. This option is accessible through the UPEI student number and PIN.

On termination of the graduate program, the student's University card must be submitted for invalidation at the Security Office.

Transcripts of Records Official transcripts of the student's academic record are available through the Registrar's Office. Transcripts will be sent to other universities, to prospective employers, or to others outside the University only upon formal request by the student.

E) GRADUATE COURSES

AHS 601 CANADIAN HEALTH SYSTEM

This course proposes to give an overview of the history of the Canadian Health System and its current organization, as well as an overview of other international health system models. The key concepts that will be explored in the Canadian Health System include legislation, institutions, funding structures, human resources, and guiding values. Other issues examined will be the factors affecting health services utilization, the measurement of health outcomes and their use for accountability, and a review of health information systems in Canada and the structures and instruments within them. Finally, current issues and trends relating to the Canadian Health Care system will be reviewed.
Hours of Credit: 3

AHS 602 ETHICAL FOUNDATIONS OF APPLIED HEALTH RESEARCH

This course will acquaint students with the ethical basis of health research, as well as the substantive issues that arise at the macro, meso, and micro levels in the design and conduct of research. A variety of approaches to ethical decision-making will be surveyed, with particular attention given to how various approaches might apply in the context of Atlantic Canada. Standard topics will be explored in this course, such as informed consent, privacy and confidentiality of health information, and conflicts of interest. Special attention will be given to issues of rural/urban split, respect for the integrity of communities, and the potential abuse of expert or professional authority.
Hours of Credit: 3

AHS 603 RESEARCH & EVALUATION DESIGN AND METHODS

In this course, students will become familiar with the research process, with the basic aim of developing skills to critically evaluate the work of others and to understand possible

approaches in the design of their own research projects. The initial emphasis in the course will be on formulating research questions and determining strategies that may be used to address a particular research theme. As the course unfolds, the approach will switch to understanding how various qualitative and quantitative research techniques may be used to address research questions that the students have posed. The students will be assessed on "project" work, and will be required to submit a number of pieces of written work throughout the duration of the course. One of the key features of the course is that each time it is offered, a broad research topic will be chosen and students will target their work towards developing research questions and designing research plans to address specific aspects of this theme. In the initial offering of the course, this topic will be childhood obesity.
Hours of Credit: 3

AHS 604 POLICY AND DECISION-MAKING

In this course, students will explore the process of how Canadian Health Policy is developed, implemented, and evaluated. This course will also assist in building skills in the areas of research approach, critical appraisal, policy synthesis, and briefing notes. The course will follow a case-based approach to understand the implications of political, social, ethical, and economic policy.
Hours of Credit: 3

AHS 605 DETERMINANTS OF HEALTH: HEALTHY PUBLIC POLICY

This course will explore the development of the philosophy of the determinants of health, and identify the determinants of health and their relationship with health status. As the course unfolds, students will gain an understanding of the philosophical underpinnings, as well as understanding their inter-relationships. An understanding of the complexity of developing healthy public policy that addresses multiple determinants of health will be developed by students, as well as the consideration of the implications of policy from the perspective of the determinants of health.
Hours of Credit: 3

AHS 606 QUALITATIVE AND QUANTITATIVE METHODS

This course is divided into two broad sections. In the first section, the course will explore an introduction to qualitative and quantitative approaches. This part will highlight some of the critical issues involved in conducting applied health-related research. The second section will be an overview of statistical techniques that are appropriate to health-related research. It will provide students with some basic building blocks that they can use to carry out their own research and critically evaluate the work of others. Students will be introduced to SPSS in the Quantitative Methods section (this will be used extensively in the Statistics section).
Hours of Credit: 3

AHS 607 KNOWLEDGE TRANSFER AND RESEARCH UPTAKE

This course will explore the facilitators and barriers of using evidence in decision-making, as well as developing the students' understanding of the conceptual, philosophical, and theoretical underpinnings of knowledge transfer and research uptake. Students will also learn how to create ongoing/sustainable linkages with decision-makers and how to share research findings with academic and non-academic audiences. The course strengthens the program by providing students with skills to interact with stakeholders and facilitate the

use of evidence in decision-making. Topics explored include Evidence-Based Decision-Making—barriers and facilitators, and why evidence is not used in decision-making. The course will look at how to encourage decision-makers to use research evidence through behavioural change, social marketing, and sustainable linkages.

Hours of Credit: 3

AHS 608 ADVANCED QUALITATIVE METHODS

In this course, students will gain an understanding of the use of qualitative research methods in applied health research. Students' skills will be developed in the analysis of qualitative data, grant-proposal writing using qualitative data, and the critique of qualitative research. Topics explored include issues in qualitative approaches such as subjects/participants, ethical issues, representativeness, data trustworthiness, bias/perspective, researcher as an instrument, the designing of an analysis template, concurrent/non-current, and ethnography. Other topics explored include theoretical approaches to analysis, such as conflict analysis, feminist, deconstructionalist, thematic analysis, participatory action research, grounded theory, and case studies.

Hours of Credit: 3

AHS 609 ADVANCED QUANTITATIVE METHODS

This course will expose students to a variety of more advanced quantitative and statistical approaches to research methodology. The two main purposes of the course are to provide students with the tools to conduct advanced quantitative empirical research, and to further develop their ability to critically evaluate the work of others. Students will learn to examine issues and develop research strategies to begin to identify and answer important topics that need to be researched, and students will design a realistic appraisal of what can and cannot be achieved, given resource constraints.

Hours of Credit: 3

AHS 610 THESIS

Each student in the Master of Applied Health Services Research program is required, under the supervision of a Faculty Advisor and Thesis Committee, to write a thesis based on research into an approved topic. It must demonstrate the candidate's ability to conduct original independent work, and include a critical evaluation of the principal works published on the subject of the thesis. It should make an original contribution to the body of knowledge in that field of study.

PREREQUISITE: Admission to the Master of Applied Health Services Research program

Hours of Credit: 6



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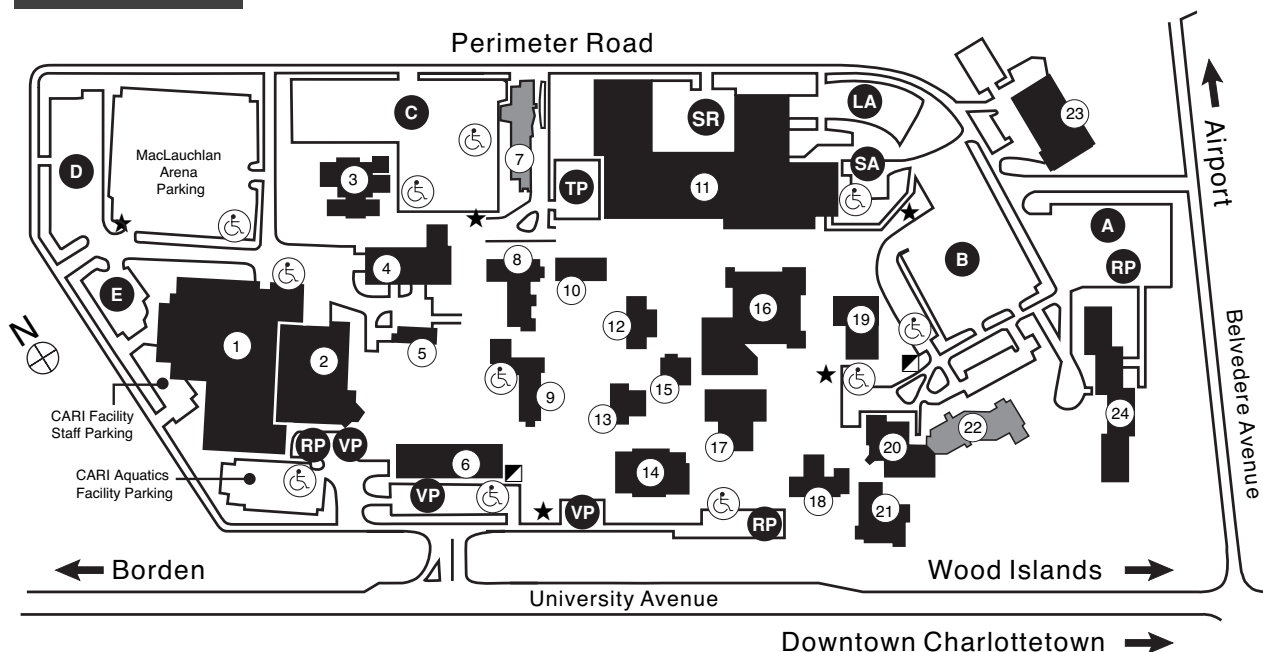
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University of Prince Edward Island

550 University Avenue, Charlottetown, PE C1A 4P3

(902) 566-0300



CAMPUS BUILDINGS

- | | | |
|---|---------------------------------------|----------------------------------|
| 1. MacLauchlan Arena and CARI Aquatics Facility | 9. Main Building | 18. Marian Hall (Residence) |
| 2. Chi-Wan Young Sports Centre | 10. Dalton Hall | 19. K.C. Irving Chemistry Centre |
| 3. Classroom Centre | 11. Atlantic Veterinary College (AVC) | 20. Wanda Wyatt Dining Hall |
| 4. Central Utility Building | 12. Memorial Hall | 21. Bernardine Hall (Residence) |
| 5. Equipment Depot | 13. Cass Science Hall | 22. New Residence |
| 6. W.A. Murphy Student Centre | 14. Kelley Memorial Building | 23. Food Technology Centre |
| 7. Institute for Nutrisciences & Health | 15. Chaplaincy Centre | 24. Blanchard Hall (Residence) |
| 8. Steel Building | 16. Robertson Library | ★ Emergency Call Station |
| | 17. Duffy Science Centre | ▣ Weather Shelter |
| | | ▣ Under Construction |

PARKING

A B C D E

- Lot A General parking & overnight parking during winter months
 Lot B General parking & reserved
 Lot C General & reserved parking
 Lot D General parking
 Lot E General parking

- LA** AVC large animal client parking
SA AVC small animal client parking
 Designated Parking

- VP** Visitor Parking, Metered Parking
RP Reserved Parking
TP Temporary Parking
SR Shipping and Receiving

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