

Minutes of the Eighth Meeting - March 26, 2010
Held Friday, March 26, 2010
ITEC Lecture Theatre, Robertson Library, 3:00 p.m.

- Present: M. Brinklow McKnight, D. Buck, P. Callbeck, D. Coll, T. Cullen, G. Evans, F. Gray, r. Herbert, M. Hughes, R. Kurial, C. Lacroix, A. López, J. MacDoanld, R. MacDonald, S. MacDonald, W. MacLauchlan, D. Reynolds, K. Schultz, D. Seeler, J. Sentance, M. Shaver, A. Smith, M. Sweeney-Nixon, A. Trivett
- Regrets: G. Bradshaw, B. Davetian, G. Doran, L. Edwards, K. Kielly, C. MacQuarrie, D. Sims, S. Thomas, J. Velaidum
- Absent: K. Critchley, M. Doyle, T. Goddard, G. Keefe, N. Kujundzic, M. Leggott, J. MacAulay, B. MacLaine, C. Song, J. Taylor

The Chair, W. MacLauchlan, called the meeting to order and welcomed Rob Livingtone, newly elected Student Union President and welcomed back Marylou Hughes, Alumni representative.

1. APPROVAL OF AGENDA

Moved (D. Seeler/M. Shaver): the agenda was approved with the addition of the Report of the Professor Emeritus Committee under #8 Other Business.

2. APPROVAL OF THE MINUTES OF MARCH 26, 2010

Moved (D. Seeler/M. Sweeney-Nixon): the minutes were approved with the addition of Shannon Murray as a guest at the last meeting.

3. PRESIDENT'S REPORT

- Student Union Elections were held and they had a 42% participation rate. The results are - Rob Livingtone, President; Kyle Murnaghan, Exec. VP; Logan O'Brien, VP Activities; Emma McPhail, VP Finance; Kate VanGerven, VP Communications; Three new student senators are Robert Deziel, Grad Student Rep; Robbie Saada and Brittany Banks
- Jarod Gomes of the UPEI Men's Hockey Team was named CIS Rookie of the Year. He is the first UPEI winner of this award. He also was named AUS Rookie of the 2009-2010 Year receiving the A.J. MacAdam Memorial Trophy.
- Congratulations to the UPEI Men's Curling Team on winning the Silver Medal in National University Championships.
- Final performance for the UPEI Wind Symphony was on March 25.
- Chad Heron, a fourth year UPEI Business student won first prize of \$5,000 in the Regional Entrepreneurship Competition and now has the opportunity to compete for the National Nicol Award in Ottawa on March 30, 2010.
- Global Issues students will be presenting their outstanding paper submissions on Tuesday, March 30 at 6:00 p.m in McDougall Hall. The topic - The University in he Age of Technological Globalization.
- The UPEI Board of Governors approved 14 faculty promotions at its meeting held Tuesday, March 25. Congratulations to colleagues.
- Dr. Jennifer Taylor will present at April's Research on Tap Series on April 6 at 7:00 p.m. at Mavor's. The title of her presentation is "Fries with that? Are school nutrition policies the solution to childhood obesity?"
- Canada Excellence Research Chairs - Announcements in the month of May. UPEI's proposal is still in the running.
- An event "Connecting Aboriginal Cultures" was held in the W.A. Murphy Student Centre on March 24 & 25. It was a great success, this is the third year holding this event.
- A Career Planning Day is being held on March 30th on initiating careers in marketing, accounting, human resource management, etc.

- Provincial Budget will be coming down sometime the latter part of April. We anticipate that this will be a year of significant belt tightening.

4. ACADEMIC REVIEW AND PLANNING COMMITTEE

R. Herbert reported that ARPC could provide a summary of the development of new proposals including reviews that were done and/or standards that were incorporated such as accreditation standards.

SEVENTH CURRICULUM REPORT

Faculty of Arts

Department of Modern Languages

Moved (R. Kurial/M. Shaver): to delete the paragraph under Requirements for French Major -

~~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.~~

Carried.

Moved (R. Kurial/F. Gray): to add the following prerequisite French 222 or French Placement Test to the following courses - Fr 251, 252, 261 313, 321, 322, 333, 334, 338, 339, 343, 344, 401, 402, 403, 421, 432, 433, 434, 441, 442, 443, and 444

Carried.

Moved (R. Kurial/D. Coll): to change the sentence under course sequence and restriction “Students may not reverse the sequence of any courses taken from French 101 to French 242, ~~with the exception of French 133 which may be taken at any time~~

Carried.

Moved (R. Kurial/D. Coll): to make the following three changes within French -

Motion to delete the note -

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.

- to add the following prerequisite French 121 or Placement Test to French 211 and 212

- to delete the words ~~French 122~~ and replace with French 212 in the second line of the course description for French 221

Carried.

Moved (R. Kurial/D. Coll): to make the following changes to the French major and minor -

A minor in French consists of 21 semester hours of courses

2. French 241 and French 242 are required courses.
- ~~2.~~ 3. At least ~~9~~ 15 semester hours must be taken from among upper-level courses ~~numbered 241 and above~~ French 242.
- ~~3.~~ 4. In case of students transferring credits for courses taken elsewhere, at least 6 semester hours at the upper level must be taken at UPEI.

Changes to the French major -

1. A major consists of a minimum of 42 semester hours of French
2. French 241 and French 242 are required courses
- ~~2.~~ 3. At least ~~24~~ 30 semester hours must be taken from upper-level courses ~~above 242~~ numbered 241 and above.
- ~~3.~~ 4. In case of students transferring credits for courses taken elsewhere, at least 6 semester hours at the upper level must be taken at UPEI.

Carried.

Moved (R. Kurial/D. Coll): to approve the following new course -

French 312 - Comment le dire et l'écrire? Le français et ses variétés **Carried.**

Moved (R. Kurial/D. Coll): to change the contact hours for the following courses - French 221, 222 and 241 -

Three hours a week plus one hour ~~lab conversation class~~ **Carried.**

Moved (R. Kurial/D. Coll):

- to delete the note under French 222 -

~~NOTE: Students who have taken French 221-222 will not be permitted to take French 231-232.~~

- to delete "or 232" in the first sentence of the course description for French 241.

Carried.

Moved (R. Kurial/D. Coll):

- to add the prerequisite "French 222" to French 261

- to add the following to the contact hours "Three hours a week plus one hour conversation class" for the following courses - French 251, 313, 321, 322, 333, 334, 338, 339, 343, 344, 401, 402, 403, 421, 432, 433, 434, 442, 444, 446, 447.

Carried.

Department of Music

Moved (R. Kurial/F. Gray):

- to delete Music 143 and 144 from first year of Bachelor of Music and Bachelor of Music Education program.

- to increase credit weight from 2 credit hours to 3 credit hours for Music 115 and 215

- to increase credit weight from 1 credit hour to 2 credit hours for Music 116 and 216

Carried.

Moved (R. Kurial/F. Gray):

- to change Music 243 to 343, change the course description and prerequisite to the following -

Instruction is given in the principles of vocal production, basic functional choral techniques, and choral conducting. Repertoire from the sixteen century to the present will be selected in order to facilitate development in both singing and conducting techniques. Three main activities of this course include: sight singing at an advanced level, group and solo singing, and choral conducting.

PREREQUISITE: Music 115 and at least one year of UPEI Concert Choir. Non-music majors must have some choral/singing background, or pass a vocal and aural skills audition.

2 hours credit

- to change Music 244 to 344, change course description and prerequisite to the following -

This course provides a continuation of Music 343, with more demanding repertoire. It concentrates on changing tempo, changing meter, and cueing problems.

PREREQUISITE: Music 343.

2 hours credit

Carried.

Department of Philosophy

Moved (R. Kurial/P. Callbeck) to change the course description for Philosophy 427 to the following -

This course explores the basic ethical concepts of the right and the good by focussing on ~~two~~ three recent classics in political philosophy: John Rawls' A Theory of Justice, Robert Nozick's Anarchy, State and Utopia and Michael Walzer's Spheres of Justice." The contrast between...

Carried.

Moved (R. Kurial/P. Callbeck): to change title of Philosophy 428 Critical Theory **to** 20th Century French and German Philosophy and the course description to the following -

This course introduces German philosophers such as the Frankfurt School and Jurgen Habermas and French philosophers such as Michel Foucault. Students consider the idea of a critical theory, the public sphere, rationality and ideology, and the disciplinary society.

Carried.

Moved (R. Kurial/P. Callbeck) to delete the topics following the course description for Philosophy 431.

Carried.

Moved (R. Kurial/P. Callbeck): to approve the following new courses

Philosophy 384 - Rationalists and Empiricists

Philosophy 385 - The Philosophy of Kant

Carried.

Moved (R. Kurial/P. Callbeck): to delete the following courses -

Philosophy 432 - Special Topics

Philosophy 381 - Modern Philosophy: Descartes to Kant

Philosophy 243 - Introduction to Feminist Ethics

Philosophy 343 - Topics in Feminist Philosophy

Carried.

Moved (R. Kurial/P. Callbeck): to change the contact hours - Lectures ~~and seminars~~: Three hours a week in the following courses -

Phil 202, 204, 211, 251, 262, 301, 362, 373, 427 and 428

Carried.

Moved (R. Kurial/T. Cullen): to change the course description for Philosophy 102

This general course introduces values in personal situations and community conflicts, and emphasizes ~~classical sources~~ great books such as Plato's Republic, Thoreau's Walden or J.S. Mill's On Liberty. Possible questions....

Carried.

Department of Psychology

Moved (R. Kurial/T. Cullen): to delete (or equivalent Statistics course) in the third sentence following Psychology 278 under Requirements for a major in Psychology on page 204 of the 2009-2010 Academic calendar

Carried.

Department of Sociology and Anthropology

Moved (R. Kurial/J. Sentance): to change section C under Prerequisite Courses under Sociology and Anthropology

C. Courses designated as Sociology/Anthropology (S/AN) are designed for both sociology and anthropology students and are appropriate for both majors. Area courses required for the Anthropology Major ~~and Sociology Major~~ are listed in the Sociology/Anthropology (S/AN) section. Students majoring in Sociology are encouraged to take an area course in order to broaden their knowledge of regions of the world.

Carried.

Moved (R. Kurial/J. Sentance): to change requirements for Honours in Sociology and Sociology major -

For an Honours in Sociology, the student will take fifty-seven semester hours of courses as listed below:

Six semester hours of introductory courses: Sociology 101 and Sociology 102; or Anthropology 105 and Anthropology 106; or Sociology 101 and Anthropology 106.

Twelve semester hours of required Sociology courses as follows: Sociology 301, Sociology 302, Sociology 331 and Sociology 332

A six semester hour research course - Sociology/Anthropology 490

Twenty-one semester hours of Sociology or Sociology/Anthropology elective courses as follows:

(1) ~~one must be an S/A area course~~ (2) at least 4 courses must be at the 300 or 400 level, two of which must be at the 400 level (excluding S-AN 490) ~~(3) two~~ (2) three other courses can be at the 200, 300, or 400 levels.

Twelve semester hours of Anthropology or Sociology/Anthropology as follows:

(i) one of either Anthropology 321 (Field Methods); Anthropology 332 (Knowledge and Culture); or Anthropology 361 (Anthropology Theory). Please talk to your advisor. Course selection would depend on the nature of your thesis research.

(ii) Sociology/Anthropology 442 (Social and Cultural Change)

(iii) Sociology 335 (Globalization)

(iv) one of either Sociology 432 (Comparative Sociology) or Sociology 401 (Doing Social Research) or Sociology 462 (Applied Sociology). Please talk to your advisor. Course selection would depend on the nature of your thesis research.

It is recommended that Sociology Honours students include an S/A Area Course in their overall programme in order to broaden their knowledge of regions of the world.

To graduate with an Honours degree in Sociology, a student requires a total of 42 credits (126 semester hours).

- to change requirements for Sociology major

1. Two introductory courses (see Prerequisite Courses A)
2. Four core courses (Sociology 301, Sociology 302, Sociology 331 and Sociology 332)
3. Eight electives, of which
 1. two must be at the 400 level in Sociology or Sociology/Anthropology
 2. three must be at the 300-400 level in Sociology or Sociology/Anthropology
 - ~~3. one must be an area course~~
- ~~4~~ 3. the ~~two~~ three remaining electives can be at the 200, 300 or 400 level in Sociology or Sociology/Anthropology

(i) Prospective majors have to complete the prerequisite 101/102 introductory courses with a combined average of 60%.

(ii) When applying for a major the student must have a combined average of 65% in a minimum of four or more Departmental courses at or above the 200 level.

(iii) It is strongly recommended that students take 200 level courses in their second year. It is also recommended that students majoring in Sociology take one S/A Area Course to broaden their knowledge of cultures

(iv) It is recommended that students apply for a major at the end of their second year or at the beginning of their third year.

(v) Each major will be assigned a faculty advisor

Carried.

Moved (R. Kurial/J. Sentance): to crosslist Sociology 275 Social Inequality to Women's Studies 275

FACULTY OF SCIENCE

Department of Family & Nutritional Sciences

Moved (C. Lacroix/M. Sweeney-Nixon): to change requirements for Foods and Nutrition minor -

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~~ 9 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~~ Twelve additional hours of electives must be chosen at the 3rd- or 4th-year level.

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 eligible to pursue the Foods and Nutrition Minor.

Carried.

Moved (C. Lacroix/M. Shaver): to change the prerequisite for Foods and Nutrition 434 -

PREREQUISITES: ~~Foods and Nutrition 212 and Foods and Nutrition/Family Science 331~~ 382 or permission of instructor

- to add the following note below Foods and Nutrition 101 -

Credit will not be allowed for Foods and Nutrition 101 if a student has already received credit for FN 102.

- to add the following note below Foods and Nutrition 102 -

Credit will not be allowed for Foods and Nutrition 102 if a student has already received credit for FN 101.

Carried.

Moved (C. Lacroix/M. Shaver): to change Family Science 341 - Human Development and the Family to Family Science 241 **Carried.**

Department of Biology

Moved (C. Lacroix/M. Hughes): to approve the following new course - Biology 304 - Vertebrate Zoology

Carried.

Department of Engineering

Moved (C. Lacroix/A. Trivett): to change contact hours for

Engineering 241 - Three hours lecture and ~~two~~ three hours of lab per week

Engineering 361 - Three hours lecture and ~~one~~ three hour tutorial per week.

Carried.

Moved (C. Lacroix/A. Trivett): to change title of the following courses -

Engineering 252 to Fundamentals of Process Engineering

Engineering 321 to Engineering Dynamics

Carried.

Moved (C. Lacroix/A. Trivett): to change titles and course descriptions of the following courses

Engineering 121 - DESIGN 1: ~~AND COMMUNICATIONS~~

This course is a basic introduction to the profession, to the design process, and to the way that engineers communicate through drawing, writing and speaking. The course stresses the importance of creativity and social responsibility in engineering. Topics include basic engineering concepts, simple engineering design projects, presentation of graphical material for engineering designs, and technical reporting, which includes verbal, written, and graphical means. There is an emphasis on group work in engineering. ~~The course is an essential introduction to the profession of engineering.~~

Engineering 142 - DESIGN 2: ~~MECHANICS I-STATICS ANALYSIS~~

This course develops the concept of “design with constraints” through engineering analysis of basic structures. Theory and techniques covered include static equilibrium for point masses and rigid bodies 2D and 3D vector operations, free-body diagrams, moments and couples, distributed loadings, support reactions, truss analysis, centroids, moments of inertia, products of inertia, shear and bending moment diagrams. The course is taught using a problem-based learning approach.

Engineering 272 - ~~ENGINEERING PROJECT DESIGN I~~ DESIGN 4: TEAMWORK

This course gives students a real-world design project experience from initial concept, through analysis of options, meeting with clients, detailed design, prototype development and final reporting. All projects are carried out in a team environment with other students and industry/community client mentors. Students are expected to demonstrate excellence in both engineering science applications and professional/career skills working with colleagues, senior students and professional engineers.

Carried.

Moved (C. Lacroix/A. Trivett): to change the prerequisites for the following courses -

Engineering 312 - Engineering 142 and Math 152, ~~Engineering 311~~; or permission of the instructor

Engineering 311 - Engineering 142 and 312, ~~Math 152~~, or permission of the instructor

Carried.

Moved (C. Lacroix/A. Trivett): to change the title, prerequisite and contact hours for Engineering 332 - Thermodynamics- Fluids I

~~Concurrently enrolled in Engineering 321, 352 and~~ Engineering 142 and Math 251, or permission of the instructor;

Three hours lecture and ~~two~~ three hours problem/design lab per week

Carried.

Moved (C. Lacroix/A. Trivett): to change title and prerequisite for the following courses -

Engineering 352 - Thermo-fluids 2 ~~Mechanics~~

~~Concurrently enrolled in~~ Engineering 321, 332 and Math 251, or permission of the instructor

Engineering 372 - ~~Engineering Project Design H~~ Design 6: Leadership

Engineering 272, ~~311~~, 392 and ~~341~~, or permission of the instructor

Carried.

Moved (C. Lacroix/A. Trivett): to change Engineering 391 to 291 and change the title ~~Safety Engineering~~ Design 3: Reliability and Safety and change the contact hours Three hours lecture and ~~one~~ three hours tutorial per week

Carried.

Moved (C. Lacroix/A. Trivett): to change title, prerequisite and contact hours of Engineering 392 -

Design 5: Project Management

Engineering ~~272, 321~~, or permission of the instructor

Three hours lecture and ~~one~~ three hours tutorial per week

Carried.

Moved (C. Lacroix/A. Trivett): to approve a new course - Engineering 152 - Engineering and the Biosphere

Carried.

Moved (C. Lacroix/A. Trivett): to approve new calendar entry for Engineering

Engineering Faculty

Wayne Peters, Associate Professor, Chair

Don MacEwen, Professor

Andrew Trivett, Associate Professor

Stephen Champion, Assistant Professor

Departmental Website

Engineering courses

Engineering Diploma Program

All engineering students 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
Global Issues 151
Engineering 121 (Design & Communications)
Engineering 142 (Statics)
Engineering 132 (Computer Programming)
1 Writing Intensive Course

Second Year
Mathematics 251-252
Mathematics 261
Engineering 241 (Prof Prac & Ethics)
Engineering 272 (Project Design I)
Engineering 321 (Dynamics)
5 additional course selections

Third Year
Mathematics 301
Engineering 372 (Project Design II)
9 additional course selections

Note: Over the second and third years, nine of the fourteen additional course selections (in second and third year) must include the courses listed below. The five additional course selections can be chosen from the lists of suggested technical and other electives outlined on the Engineering website.

Additional nine core courses to be taken in Year 2 or 3
Engineering 311 (Strength of Materials)
Engineering 341 (Electric Circuits I)
Engineering 361 (Engineering Finance)
Engineering 391 (Safety Engineering)
Engineering 312 (Material Science)
Engineering 322 (Measurements)
Engineering 332 (Thermodynamics)
Engineering 352 (Fluid Mechanics)
Engineering 392 (Project Management)

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 Faculty
Stephen Champion, Assistant Professor, Chair
Don MacEwen, Professor
Wayne Peters, Associate Professor
Andrew Trivett, Associate Professor

Departmental Website
Engineering courses
Engineering Diploma Program

The UPEI engineering diploma program is accredited by the Canadian Engineering Accreditation Board as a part of Dalhousie University's Faculty of Engineering under a long-standing association agreement. Students completing the diploma at UPEI are able to complete their degrees at Dalhousie University or the University of New Brunswick under formal transfer agreements, or at any other accredited engineering program in Canada on a case-by-case basis.

Engineering is a profession drawing upon knowledge and skills from a many areas, and future engineers need to study a suitably broad range of university courses. Thus, in addition to fundamental science courses, engineers must master skills in design, communication, business, economics, professional ethics and more. This content is delivered in a three year Diploma program (33 course credits, typically 11 courses per year) at UPEI followed by 2 years in a Bachelor of Engineering Degree program at one of the partner universities in a specific engineering discipline.

Engineering Design Through the curriculum

It is clear that understanding basic science is only one of the many skills needed by our engineering students. UPEI engineering students learn to make decisions that impact design in a socially responsible way. Our program emphasizes inquiry-based learning though fundamental design courses in each semester of the program. This progression is key to the professional development.

The following core design courses must be taken in succession to support the students' developing skill.

1. ENGN 121, Design 1: Communication
2. ENGN 142, Design 2: Statics Analysis
3. ENGN 291, Design 3: Reliability and Safety
4. ENGN 272, Design 4: Teamwork
5. ENGN 392, Design 5: Project Management
6. ENGN 372, Design 6: Leadership

In addition to the core design stream of courses, basic science, engineering science and math courses are arranged to support the student's development and knowledge gained in those courses is continually referenced in the design core.

Required courses to Graduate with a Diploma

The following courses are required to be completed before graduation:

DESIGN: ENGN 121, 142, 291, 272, 392, 372

ENGINEERING SCIENCE: ENGN 132, 152, 241, 312, 311, 332, 341, 361

BASIC SCIENCES: PHYS 111, 112, CHEM 111, 112,

MATHEMATICS: MATH 151, 152, 251, 252, 301, 221, 261

Writing: GI151

Students should choose the remaining 8 elective courses after consulting the requirements of their specific engineering degree program and discipline. Please seek advice from the department for assistance with these choices.

Recommended Program of Study

The table below shows a common path of study for the most popular discipline choices for students who will carry on to complete their degree studies at either Dalhousie University Faculty of Engineering or University of New Brunswick. It is not essential that students decide which engineering discipline is best for them until their second or third year of study, as most first- and second-year courses are common between all disciplines.

For any engineering disciplines not listed, please contact the Engineering department.

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

Carried.

FACULTY OF VETERINARY MEDICINE

Moved (D. Reynolds/ A. López): to delete the following courses -

VBS 812 - Animal Welfare

VBS 813 - Topics in Animal Welfare

VBS 822 - Critical Reading in Immunology

Carried.

6. NOMINATING REPORT

A. Trivett reported to Senate that the elections were completed for the University Review Committee. The new members are as follows and these positions are for a three year term -

James Moran (Arts)
Rabin Bissesseur (Science)
Don Wagner (Business)
John Burka (Vet Med)
Jeff Davidson (Vet Med)
Simon Lloyd (Library)
Fiona Walton (Education)

7. ANNUAL REPORT OF THE NOMINATING COMMITTEE

Report received.

8. OTHER BUSINESS

Report of Professor Emeritus Committee

C. Lacroix reported that the Committee will not be making any recommendations this year. He made reference that terms are ending this year for committee members. A discussion followed regarding the criteria for the Committee.

9. ADJOURNMENT

The meeting adjourned at 4:00 p.m.

Respectfully submitted

Gary Evans
Acting Secretary of Senate