

Minutes of the Eighth Senate Meeting  
April 13th, 2012, 3:00 pm, Robertson Library Rm 235

Present: A. Abd-El-Aziz, M. Arfken, D. Buck, W. Carroll, J. Coles, K. Critchley, S. Dawson, D. Desserud, B. Déziel, R. Domike, G. Doran, M. Doyle, D. Giberson, K. Gottschall-Pass, F. Gray, D. Hooper, P. Hooper, K. Kielly, N. Kujundzic, C. Lacroix, R. Livingstone, A. López, P. MacAulay, E. MacDonald, G. MacDonald, J. MacDonald, A. MacFarlane, M. MacInnis, S. Opps, L. Pack, J. Randall, D. Reynolds, J. Sentance, H. Stryhn, K. Tilleczek, M. Turnbull, B. Wagner

Regrets: L. Chilton, D. Coll, A. Duncan, L. Edwards, K. Schultz, J. Willis

Absent: G. Germain, A. Smallwood, S. Wiebe, W. Bradley

Senate Asst: A. Deighan

The President called the meeting to order

**1. Approval of the Agenda**

**Moved** (E. MacDonald/M. Turnbull): to approve the agenda

**Carried**

**2. Approval of the Minutes of March 16, 2012**

**Moved** (J. Sentance/C. Lacroix): to approve the minutes of March 16, 2012. A correction in spelling was noted for Jim Sentance.

**Carried**

**3. Business Arising from March 16, 2012**

At the last meeting of Senate two questions arose with respect to material presented in the Report of the Vice President Research: the first dealing with publication intensity and the second with UPEI's number of faculty.

On the first, the question arose because the data presented displayed percent change in publication intensity between 2004 and 2009. UPEI, at -3%, was lagging behind our comparison universities. It was noted that such a change could reflect previous strong publication intensity. As the data and figures below show, UPEI's publication intensity was strong in 2003.

On the second, the number of UPEI faculty has increased by 54 between 2000-01 and 2010-11.

**4. President's Report**

During his general report, the President informed Senators that Dean Desserud will be providing a report at the next Senate meeting. The report will be on the outcomes of the Senate Retreat and further to research undertaken by the Dean and there may be ways to combine and consolidate our committees to make our Senate run more efficiently. The Dean's report will be distributed to Senators in advance of the Senate meeting. This will give Senators time to review the recommendations brought forward. The President noted that if the report requires discussion beyond the May 2 meeting the item will be tabled and an additional meeting of Senate will be held in June.

The President informed Senators that the provincial budget will be released next week and government's budget will inform the budgeting process of the university. The President stated that it is important for the university community to understand the budget process and the work involved to bring a balanced budget forward for approval to the Board of Governors. Following much discussion, the President advised that at the request of Senate, there will be two university wide meetings, one on the budget process itself and once the budget is approved by the Board, a follow up meeting on the budget.

The President reminded Senators that exams conclude on April 20th and that all marks need to be submitted according to the scheduled dates. Convocation takes place on May 12, 2012.

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**Dean of Education:** At the invitation of Senate, Miles Turnbull, Interim Dean of Education was pleased to report the highlights of The Faculty of Education which included: A Bit of History, Memorial Hall; Our People, Undergraduate Programs, Global Issues; Post-Baccalaureate Programs, Graduate Programs; Some of What Sets Our Faculty Apart (i.e. International & Aboriginal Specializations in B.ED, Nunavut, B.ED Français Langue Seconde & CAE-BED-HRD & MED for College Educators). Also highlighted were the Special Research FOCI, Significant Pride & Focus: Teaching Excellence; Challenges and Future Opportunities & Vision.

The President thanked the Dean for his presentation and advised Senators that due to other priorities on the May agenda, the Dean of Arts presentation will be deferred until fall.

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## 5. Senate Reports

### Nominating Committee Report

Moved (K. Gottschall-Pass/D. Giberson): to approve the Nominating Report

### Research Advisory Committee

Required: Two faculty members (to ensure a full faculty list of six members) actively engaged in research and representing a range of research activities and disciplines in the University, elected by, but not necessarily from, Senate to serve three year terms.

Jason Pearson's term on the committee will expire June 2012. Jason has indicated that he would like to stay on the committee to serve another term. (Vote required)

There being no further nominations from the floor, Jason Pearson was declared re-elected by acclamation.

**FYI:** Byeong Hwa Jeon has left the university leaving a vacant faculty membership position. This position would be best served by a bench researcher involved in experimental research. The search for an appropriate nominee is currently ongoing.

**For the information of Senate:**

**Research Grants Committee**

Sylvie Morin, undergraduate student (recommended by the Student Union)

**University Review Committee**

Elections for the following faculties have been concluded, with the results as shown:

Faculty of Arts:	Sanda Badescu
Faculty of Science:	James Polson
Faculty of Education:	Suzanne Thomas
School of Business:	Don Wagner
Library:	Simon Lloyd
Veterinary College:	Collins Kamunde Gary Conboy

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**Eighth Curriculum Report**

**Omnibus Motion:** (J. Randall/J. Coles): to approve all motions contained in the Eighth Curriculum Report

**Faculty of Arts (5 Motions)**

**Department of Canadian Studies**

**Motion:** to approve the following Special Topics courses

CS 109  
CS 209  
CS 309  
CS 409

**Department of Economics**

**Motion:** to approve the changes to the following courses

**Economics 203 - Intermediate Microeconomics I**

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.~~ Choice under uncertainty and competitive market outcomes are also examined.

Prerequisite: Economics 101

**Economics 204 - Intermediate Macroeconomics I**

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.

## Economics 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.~~

This course traces the development of the microeconomic foundations of macroeconomic theory to expand students' analytical skills by constructing and solving macroeconomic models. Topics may include: dynamic choice, uncertainty and rational expectations, business cycles, fiscal and monetary policy.

Prerequisite: Economics 204 and 306

**Motion:** to approve the following new courses Economics 305, 306, 371, 382

### EC305 Intermediate Microeconomics II

An extension of Economics 203, this course covers price determination in monopoly, monopolistic competition, and oligopoly models. Game theory, factor pricing, capital investment over time, general equilibrium, asymmetric information, externalities, and public goods are discussed. The use of micro-economics as a tool in decision-making is illustrated.

Prerequisite: EC101 and EC203

3 semester hours

### EC306 Intermediate Macroeconomics II

This course addresses the theory of inflation, unemployment, economic growth and fluctuations, the determination of the balance of payments and the exchange rate, and monetary and fiscal policies in closed and open economies.

Prerequisites: EC102 and EC204

3 semester hours

### EC371 - The Economics of Sports

This course uses economic analysis to examine a variety of aspects of the business of sports. Topics include the structure of sports markets, the value of franchises to owners and cities, competitive balance, salaries, collective agreements, and discrimination. In examining these issues, this course uses models and methods from a variety of fields of economics, including labour economics, industrial organization and competition policy, cost-benefit game theory, public finance, and urban economics.

Prerequisite: Economics 203 or permission of the instructor

3 semester hours

### EC382 Economics of Aging in an Aging Society

This course examines the microeconomics of individual choices with respect to aging in the macroeconomic and public fiscal dimensions of an aging society. It deals with these matters in the context of economic conditions and policy in Canada.

Prerequisite: Economics 101 and 102 - 3 semester hours

## **Department of History**

**Motion:** to approve the following new course: History 222

Hist 222 – From Magic to the Double Helix: Science and Society in Historical Perspective

This course evaluates the history of science from the scientific revolution to late twentieth century. It also evaluates how science has been understood differently from one period to the next, how science has been grounded in cultural, social, and political currents, and how scientific understandings and perceptions have influenced how we see the world around us. This survey includes the study of major changes in scientific outlook brought about by thinkers like Isaac Newton, Auguste Comte, Louis Pasteur, Charles Darwin, Marie Curie and Albert Einstein. Important technological developments and the professionalization of scientific knowledge are also considered.

3 semester hours

## **Department of Psychology**

**Motion:** to approve the addition of 201 as a prerequisite

Psychology 305

Prerequisites: Psychology 101-102, 201 278-279, or 251

## **School of Business (1 Motion)**

**Motion:** to approve the change in average for Accounting and Business Certificates -

Business Certificate

...students must have successfully completed Grade 12 in a University Preparatory program with an overall average of at least ~~65%~~ 70% in English, Mathematics, any two Social Studies, Languages, or Sciences, and one other academic course.

Accounting Certificate

...students must have successfully completed Grade 12 in a University Preparatory program with an overall average of at least ~~65%~~ 70% in English, Mathematics, any two Social Studies, Languages, or Sciences, and one other academic course.

## **Faculty of Science (7 Motions)**

### **Department of Biology**

**Motion:** to approve changes to Biology 472

472 ~~PATHOBIOLOGY~~-BIOLOGY OF CANCER AND OTHER DISEASES

This course presents the basic principles of pathobiology with emphasis on specific candidate human diseases. The focus of the course is on aspects of the basic biochemistry and cell biology associated with certain disease paradigms. The majority of this course will focus on the biology

of cancer. The biology of heart disease, Alzheimer's disease, diabetes, and AIDS, as well as, other current topical disease paradigms will be presented.

Prerequisite: Biology 206 and Biology 221

Three hours lecture a week, three hours laboratory a week

**Motion:** to approve an addition to the third bullet

Under the heading A LIST OF COURSES THAT MAY BE USED TOWARDS THE SPECIALIZATION AREAS IN BIOLOGY (3<sup>rd</sup> bullet):

**Add:**

Certain Biology 441 (Directed studies) or 442 (Special Topics) courses, or courses transferred from other universities for Biology credit, may be credited to one stream or the other with prior permission of the Chair.

**Motion:** to approve changes to the Bachelor of Wildlife Conservation degree

Bachelor of Wildlife Conservation

This program combines the practical, theoretical and analytical strengths of courses provided by the Wildlife Conservation Technology diploma program at Holland College or accredited NAWTA (North American Wildlife Technology Association) programs, and by the University of Prince Edward Island, for students interested in obtaining rigorous training in wildlife conservation. Students are provided with foundational science courses (~~e.g., General Chemistry~~) as well as senior analytical courses in the environmental sciences at the university level (~~e.g., Biodiversity and Conservation Biology, Marine Biology~~) to complement the strong field training acquired during the college diploma program. Increased knowledge of the scientific and social issues involved in conservation management, combined with additional training in writing and analytical skills will provide graduating students with the tools necessary to better address the complexity of problems in this increasingly important field.

The occupational content is introduced at the College level in a diploma program, normally during the first two years, and fulfills a major part of the practical requirements of the degree program. If students have achieved a minimum 70% average in their diploma program, they are eligible to apply to UPEI for formal entry into the Bachelor of Wildlife Conservation degree program. Once accepted to UPEI, students will undertake a rigorous program of 20 courses, 15 ~~14~~ of which will be required. ~~The recommended sequence of courses for students who have been accepted into the program is:~~

Required biology courses:

~~Biology 131: Introduction to Cell and Molecular Biology~~

~~Biology 251: Fundamentals for Conservation Biology~~

Biology 206: Microbial Diversity

Biology 331: Research Methods and Communications in Biology

~~Biology 361: Fish Biology~~

Biology 391: Marine Biology

Biology 413: Conservation Genetics

Biology 442: Wildlife Health (Special Topics in Biology)

Biology 454: Biodiversity and Conservation Biology

Biology 462: Watershed Ecology (Ecology)

Other science requirements:

Math 112: Calculus for the managerial, social, and life sciences

Chemistry 111: General Chemistry I

Chemistry 112: General Chemistry II

Chemistry 202: Environmental Chemistry or Biology 485: Environmental Toxicology

Nonscience requirements:

Environmental Studies 201: Introduction to Environmental Studies

Environmental Studies 202: Sustainability and Sustainable Development

Students complete the degree requirements by choosing four science and two nonscience electives from the following lists. At least three of the science electives must be at the third or fourth year level. Specific electives may not be available during certain semesters or years; other electives may be taken if approved by the program coordinator. In some cases, prerequisites may be required for taking courses. Students are responsible for obtaining information concerning the availability of chosen electives.

Nonscience Electives:

Anth 105 B Introduction to Anthropology I

Anth 106 B Introduction to Anthropology II

Anth 107 B Introduction to Physical Anthropology and Archaeology

Can Stud 101 B Imagining Canada

Econ 101 B Introductory Microeconomics

Econ 102 B Introductory Macroeconomics

Phil 101 - Introduction to Philosophy

Phil 102 - Introduction to Ethics & Social Philosophy

Phil 105 - Technology, Values, & Science

Phil 111 - Critical Thinking

Phil 203 - Environmental Philosophy

Pol Sc 101 - Introductory Politics I

Pol Sc 102 - Introductory Politics II

Psych 101 - Introduction to Psychology: Part I

Psych 102 - Introduction to Psychology: Part II

Soc 101 - Introduction to Sociology I

Soc 102 - Introduction to Sociology II

Soc 105 B Civility and Society

Science Electives:

Bio 312 - History of Biology

Bio 324 - Comparative Vertebrate Anatomy

Bio 326 - General Physiology

Bio 335 - Animal Behaviour

Bio 351 - Ornithology

Bio 366 - Plant-animal Interactions

Bio 371 - Mammalogy

Bio 375 - Microbial Diseases and Pathogenesis

Bio 382 - Evolutionary Biology

Bio 385 - Environmental Toxicology

Bio 441 - Directed Studies in Biology

ES 212 B Earth's Physical Environment

ES 301 - Integrating Environmental Theory and Practice

ES 311 - Understanding Climate Change  
Math 222 - Introductory Statistics II

**Motion:** to approve the following new course - Biology 251

Bio 251: Fundamentals for Conservation Biology

This course is designed to provide students entering into the articulated Bachelor of Wildlife Conservation program with an understanding of concepts and processes in Cell and Molecular Biology, Genetics, and Ecology that are necessary for success in courses required in subsequent terms. Material will be covered using lectures, tutorials, discussions, and demonstrations. This course must be taken in the first semester of the program, and satisfies the prerequisites for required biology courses.

Three hours lectures per week Two hours tutorials per week

Restricted to students registered in the Bachelor of Wildlife Conservation program.

### **Department of Chemistry**

**Motion:** to change contact hours

Chem 482 - ~~Six~~ Twelve hours laboratory a week (minimum).  
Six semester hours of credit.

### **Department of Computer Science and Information Technology**

**Motion:** to make changes to the following courses - IT 205 & 306

IT 205

#### ~~205- 106~~ **WEB-BASED APPLICATION DEVELOPMENT AND PROGRAMMING**

This course focuses on the fundamentals of ~~Web-based application webpage and website~~ 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 are introduced to HTML5 and JavaScript, and learn basic programming and debugging skills.~~

~~Students gain a working knowledge about creating webpages and websites.~~

~~**PREREQUISITES:** IT 121 or CS 151 or permission of instructor.~~

IT 306

#### ~~306 206~~ **Advanced Web Development and Programming**

~~In this course, students learn to create a website that involves server-side scripting and database operations. While one specific scripting language is used to acquire web development and programming skills, students are exposed to a spectrum of scripting languages, enabling them to easily adapt to others. Cloud computing is introduced and used in this course~~

~~**PREREQUISITES:** IT ~~205~~ 121 or CS 152 or permission of instructor~~

~~Cross-listed with Computer Science (c.f. Computer Science 206).~~

~~Three hours a week~~



## **Radiography**

**Motion:** to add the following statement to the Introduction to the Radiography program

- (i) Introduction  
This four-year degree program requires students to obtain approximately half their academic credits at the University of Prince Edward Island and the Queen Elizabeth Hospital.

## **Faculty of Veterinary Medicine (3 Motions)**

### **Department of Companion Animals**

**Motion:** to make the following changes in Companion Animals

VCA 131 - Delete VAC 131

VCA 242 - Delete VCA 242 and introducing two new courses

VCA 400 - Clinics in Anesthesiology (P) (~~CA~~)

**Motion:** to approve the following new courses - 231 & 241

VCA 231: Principals of Surgery

This course introduces students to fundamental principles of surgery with broad species applications through lecture and laboratory instruction. Emphasis is placed on basic surgical concepts, principles of surgical asepsis, surgical instruments and handling, wound healing and application of postsurgical appliances and suturing techniques.

VCA 241: Principles of Anesthesiology

This course introduces students to fundamental principles of anaesthesia with broad species applications through lecture and laboratory instruction. Emphasis is placed on basic concepts, equipment, pain management, relevant physiology and pharmacology and guidelines for patient care in the preanaesthetic, anaesthetic and postanesthetic periods. Students will begin to cultivate clinical skills necessary for anaesthetic case management that can be further developed in the third and fourth years of the program.

### **Department of Health Management**

**Motion:** to approve the following new course

HM 125: Animal Behaviour and Animal Welfare

This course introduces the principles of animal behaviour, normal behaviour of companion and food producing animals and the influence of systems of management on their behavior. Animal welfare concepts, the assessment of animal welfare and the welfare implications of the management of different species of animals are discussed.

Three hours of lectures per week

All motions Carried

## **National Survey of Student Engagement Report (NSSE at UPEI: 2011)**

Report received and Y. Gong gave an overview. Highlights of the report included:

- Introduction
- Benchmarks of Effective Educational Practices
  - Level of Academic Challenges
  - Supportive Campus Environment
  - Enriching Educational Experiences
  - Student Faculty Interaction
  - Active and Collaborative Learning
- Three Comparison Groups
  - Atlantic Region
  - Peers
  - Canadian Institutions
- Key Findings
  - Mediocre 1st - year experience
  - Enriching educational experiences continue to lag behind
  - Not meeting students' expectations
  - Strength in active and collaborative learning
  - Fourth year students' experiences are more positive
- Summary & Final Thoughts

The President thanked Dr. Gong for her very informative presentation and welcomed questions from the floor. Discussion ensued around areas concerning Island culture and how first year students may come to UPEI with a particular expectation already established about University life. It was suggested that first year expectations are based on students' high school experiences which impact their initial views and perspectives. The President noted that first year students are doing the best they can with the information they have and that ultimately we need to think about ways to improve our first year students' experience. The President encouraged Senators to reflect on why first year students may have certain expectations and how we can respond to those expectations.

Given the level of discussion and the time, the President requested the wishes of Senate to extend the meeting by fifteen minutes to allow further discussion on the NSSE report. Following a show of hands, it was determined to conclude the meeting at the regular time. Also, the President informed Senators that a committee is currently being put in place to address the first year student experience. The committee will be organized by the VP Academic and the VP Student Affairs. Again, the President encouraged Senators to become involved in this discussion and to either serve on the committee or to provide advice on who they think would be effective and productive members on such a committee.

In conclusion, Dr. Gong encouraged Senators to email her if they had any further comments or questions about the NSSE report.

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**Research Advisory Committee**

**Centre Proposal for Approval**

**Motion** (B. Wagner/P. MacAulay): That Senate approve the proposal for Centre status for the Sir James Dunn Animal Welfare Centre (SJDAWC) and recommend it to the Board of Governors.

Carried

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**6. Other Business**

Dr. Reynolds informed Senators that the Atlantic Veterinary College (AVC) of the University Of Prince Edward Island (UPEI) has received Full Accreditation status.

**7 Adjournment**

Meeting adjourned at 4:55 pm.

Respectfully submitted,

Kathleen Kielly, Registrar  
Secretary to Senate