

**Minutes of the Sixth Meeting of Senate
Friday, March 13, 2015
3:00 – 5:00 pm
AVC Room 286--287N**

- Present:** A. Abd--El--Aziz (Chair), R. Bissessur, A. Braithwaite, D. Buck, L. Chilton, G. Conboy, J. Doiron, M. Doyle, D. Good, T. Gordon, K. Gottschall-Pass, G. Irvine, B. Jeffery, K. Kielly, N.Kujundzic, C. Lacroix, M. Leggott, L. MacArthur, P.MacAulay, R. MacDonald, Debbie MacLellan. S. Opps, J. Podger, L. Poirier, J. Preston, J. Sentance, T. Speelman, S. Wilfeard, M. Sweeney-Nixon and L. Wisener
- Regrets:** B. Campbell, B. Davetian, L. Edwards , R. Gilmour, R. Herbert , G. Keefe, J. Krause, R. Lemm, S. McConkey, and C. Parker
- Absent:** S. Graham, J. Mitchell, C. Ryan, and S. St. Hilaire
- Recorder:** D. MacLean, Administrative Assistant to Senate

President Alaa Abd-El-Aziz called the meeting to order at 3:10 p.m.

1. Approval of Agenda
MOTION (L. MacArthur/J. Sentance) to approve the agenda as presented. CARRIED

2. Approval of Minutes – February 13, 2015
MOTION (D. MacLellan/M. Doyle) to approve the minutes of February 13, 2015. CARRIED

3. Business Arising from Minutes
There was no business arising from the minutes.

4. President's Report
The President welcomed to Senate, Debbie Good, Acting Dean, School of Business. The President reported that Dean Krause had a fall and will be off for an indefinite period of time. He will send best wishes to Dean Krause for a speedy recovery.

The President called upon Yugin Gong to provide the latest enrolment statistics as of March 1, 2015. Yugin provided a verbal report indicating that we have 4262 students currently registered which is a 1% increase from this time last year. Full time student registrations are up 0.6% and part-time student registrations are up 4%. International student enrolments are up 13% and students come from 71 different regions. At present, international students represent 17% of the total student body. The complete enrolment reports will be made available to Senators after the meeting.

5. Senate Reports

a) Senate Steering and Nominating Committee Report

For the information of Senate, K. Gottschall-Pass advised that Dr. Ron MacDonald has agreed to sit on the Professor Emeritus Committee as the Education representative, to replace Martha Gabriel. Also, Amanda Johnson, a Student Union representative on Senate, resigned and Stephen Wilfeard has agreed to complete her term on Senate.

b) Senate Academic Planning and Curriculum Committee Report

Academic Planning and Curriculum Committee Report

C. Lacroix spoke to the revisions of the Academic Accommodations for Students with Disabilities policy. He informed Senate members that the language of the policy has been updated with current standards in relation to human rights. A question was raised as to item 3.5.2, 'The onus is on the University to prove undue hardship' and to clarify for Senate who the "University" is in this reference. Following discussion, it was clarified that the "Responsibility" for the policy falls to the VP Academic and the heading on the policy should be changed to reflect that. Other friendly amendments were introduced after which the following motion was proposed:

MOTION (C. Lacroix/R. MacDonald) that Senate approves the revisions to the Policy on Academic Accommodations for Students with Disabilities (Review Date: March 13, 2015). CARRIED

i) Sixth Curriculum Report
Faculty of Arts

1. MOTION (C. Lacroix/D. Buck) to approve the new course History 113 Crime and Punishment: Historical Themes. CARRIED

History 113: Crime and Punishment: Historical Themes

This course provides an introduction to changing ideas and practices surrounding crime and punishment over time. Topics may include who has been identified as a threat to the social order, including thieves, prostitutes, vagrants, and young offenders, and the punishments that societies have deemed appropriate for criminals, including public executions, exile, and imprisonment. Additionally, the course provides opportunities to explore and to develop skills in historical thinking and methods.

Three hours a week

2. Motion (C. Lacroix/D. Buck) to approve the new course History 114 Plague: Historical Themes. CARRIED

History 114 Plague: Historical Themes

This course introduces students to plague, an important aspect of disease and health history. From the devastating outbreaks of the Black Death in medieval Europe, to the contemporary phenomenon of Ebola, the course focuses on the ways in which major outbreaks of infectious disease have shaped societies. The course considers the medical, social, economic, and political consequences of epidemics and pandemics. The course explores how various forms of plague were understood when they happened, and how our views of them have changed over time. This will be done by reading important works on plagues, and by examining original sources that were produced by those living through major disease outbreaks as they unfolded.

Three credit hours a week

3. MOTION (C. Lacroix/L. Chilton) that the Theatre Studies Programs update its list of electives. CARRIED

ELECTIVES

NOTE: Students who are in the Majors or Honours English programs must take at least one elective outside the English Department.

English

English 195 Introduction to Drama

English 222 Reading Film: Introduction to Film Studies

English 255 Introduction to Shakespeare

English 256 Shakespeare and Performance

English 285 Linguistics I: The Sound System of English

English 303 Contemporary Drama

English 315 English Canadian Drama

English 341 Modern Drama

~~English 355 Shakespeare's Comedies and Histories~~

English 357 Renaissance Drama

Minutes – March 13, 2015

English 367 Restoration and Eighteenth Century Drama
English 455 Advanced Studies in Early Modern Literature
Classics
Classics212 Ancient Tragedy
Classics 222 Ancient Comedy

Fine Arts Studio

111 Studio Arts

Modern Languages (French)

339 Théâtre Canadien Français

344 XVIIe Siècle: Le Grand Siècle II

DIRECTED STUDIES

With the approval of the Coordinator, 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.

Faculty of Science

4. Motion (C. Lacroix/D. MacLellan) that the changes to the following courses be approved as noted: CARRIED

331 PHYSICAL CHEMISTRY II

This course is an introduction to quantum mechanics and spectroscopy for chemists. Topics covered include blackbody radiation, the photoelectric effect, diffraction, particle in a box, rigid rotor, harmonic oscillator and hydrogen atom in detail. The course will also explore the interaction of light with matter and applications to rotational, vibrational and electronic spectroscopy.

PREREQUISITE: Chemistry 231 with a minimum of 60% and Mathematics 251, or permission of the Chair

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 241/242 with a combined minimum average of 60% and Chemistry 361

Three lecture hours and four laboratory hours 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 241/242 with a combined minimum average of 60%

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 with a minimum of 60%, and Chemistry 361 must be taken at least concurrently

Three lecture hours and three hours laboratory a week

432 METHODS IN COMPUTATIONAL CHEMISTRY

In this class we will review the theoretical foundations of quantum mechanics as well as undergo include methods in first principles simulations such as Hartree-Fock, perturbation theory, configuration interaction, coupled cluster and density functional theories in addition to more approximate methods such as semi-empirical approaches and molecular mechanics force fields.

PREREQUISITE: Chemistry 331 with a minimum of 60% and ~~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 342 with a minimum of 60%

Three lecture hours a week

464 POLYMER CHEMISTRY

This course examines the synthesis, properties, and applications of organic polymers. Topics include: ionic, radical and condensation polymerizations, as well as the new catalytic methods.

PREREQUISITE: Chemistry 241/242 with a combined minimum average of 60%

Three lecture hours and a one-hour laboratory a week

467 INORGANIC REACTION MECHANISMS AND CATALYSIS

Inorganic reaction mechanisms are discussed, with an emphasis on catalytic cycles and the application of organometallic compounds to synthesis. Topics include: basic inorganic reaction mechanisms, catalytic cycles and catalysis, application of organometallic chemistry to modern industrial synthesis and polymerization reactions, and chirality and enantioselectivity in catalysis. Fundamental concepts will be supplemented with material from the current literature to explore the broad range of interdisciplinary applications of inorganic and organometallic catalysts.

PREREQUISITE: Chemistry 374 with a minimum of 60%

Three lecture hours a week

468 ADVANCED INORGANIC CHEMISTRY

This course deals with advanced topics in Inorganic Chemistry. Topics include: bioinorganic chemistry, green chemistry, solid state inorganic chemistry and advanced coverage of molecular orbital theory and bonding in transition metal and main group complexes. This course will also introduce advanced spectroscopic

Minutes – March 13, 2015

techniques, including X-ray diffraction, Mossbauer spectroscopy and multi-nuclear NMR spectroscopy. The current literature is explored to illustrate the broad range and interdisciplinary nature of inorganic chemistry.

PREREQUISITE: Chemistry 374 with a minimum of 60%

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 241/242 with a combined minimum average of 60%, 331, 374-, with a minimum of 60% in these courses.

Three lecture hours a week

5. MOTION (C. Lacroix/D. MacLellan) that the ENGN 334 Introduction to Mechatronics Course be approved as proposed. CARRIED

ENGN 334, Introduction to Mechatronics Engineering

This course covers fundamental skills associated with the development of computer controlled intelligent systems and processes. Following a modern approach to mechanical engineering design, students will attempt synergistic integration of electronics, control systems and mechanical components in a controlled laboratory environment. Students must demonstrate skills related to the selection, integration and/or calibration of sensors, actuators, signal conditioning, control algorithms, computer software and hardware systems used to manage complexity, uncertainty and communication in robotic systems.

Pre-requisites and/or Co-requisites

Admission to Sustainable Design Engineering Degree program

Three hours of lecture and three hours of lab per week

6. MOTION (C. Lacroix/D. MacLellan) that the ENGN 337 Mechatronic System Integration and Interface Design Course be approved as proposed. CARRIED

ENGN 337 Mechatronic System Integration and interface Design

This course focuses on the fundamentals of human and mechatronic system interaction and a systematic approach to its interface design. Signal generation, transmission and interface design are the main topics of this course. Integration of the Mechatronics system focuses on the use of embedded electronics to control and monitor mechanical behavior in a mechatronic system. Following a user centered design and observational philosophy, students will learn to evaluate the execution efficiency of typical voice, command and graphical (GUI) user interfaces to interact with the mechatronic system with the specific aim of monitoring and control. Topics include: Transducers, motors and actuators I/O and signaling, signal transmission philosophy and design, conducting user studies, evaluation techniques, information structure and programming for interactive systems. Labview and Simulink interface software development packages are used.

Pre-requisites and/or Co-requisites ENGN 334

Three hours of lecture and three hours of lab per week

7. MOTION (C. Lacroix/D. MacLellan) that the ENGN 339 Mechatronic Computer Aided

**Product Development, Modelling and Simulation course be approved as proposed.
CARRIED**

ENGN 339 Mechatronics Computer Aided Product Development, Modelling and Simulation

This course reinforces students' skills in solid modelling and expands into computational simulation. Utilizing advanced CAD/CAM/CAE simulation software such as SolidWorks, CATIA, Altair Hyperworks, ANSYS Workbench and Stratsys Insight 3D printing software, and in a controlled environment, students engage in developing skills required to work in today's industrial and integrated computer aided product development. The course focuses on a hands-on approach to product innovation and the effective use of computational simulation technology. The course covers aspects of structural and mechanical CAE/FEA as well as thermal management CAE/CFD simulations when designing intelligent mechatronics products.

Pre-requisites and/or Co-requisites

ENGN 334

Three hours of lecture and three hours of lab per week

**8. MOTION (C. Lacroix/D. MacLellan) to approve the following new course Kine
342 Introduction to Physical Activity and Chronic Disease Epidemiology. CARRIED**

342 Introductions to Physical Activity and Chronic Disease Epidemiology

This course will explore the relationship between physical activity, sedentary behaviour, and chronic disease. Students will be introduced to epidemiological concepts as they relate to physical activity and chronic disease, and will discuss other important modifiable and non-modifiable risk factors that influence the prevention of common chronic diseases.

PREREQUISITE: Kinesiology 221

Three lecture hours

**9. MOTION (C. Lacroix/D. MacLellan) to approve the following new course
KINE 435/HB 835 Principles of Positive Youth Development Through Sport.
CARRIED**

KINE 435/HB 835 Principles of Positive Youth Development Through Sport

This course will explore the different aspects related to positive youth development through sport and investigate the most current research available to understand how positive experiences in sport can be achieved. Topics that will be addressed in the course include, but are not limited to, the multiple definitions of positive development in sport (life skills, developmental assets, 5 Cs, initiative), sport as a vehicle for positive development, and characteristics associated with a positive sport environment. The graduate component of the course will require students to lead a number of seminars throughout the semester, write a reflective journal, and prepare a grant application related to a topic of interest within the area of positive youth development.

Pre-requisites and/or Co-requisites

Kinesiology 202 – Graduate students need permission of the instructor

Three credit hours

**10. MOTION (C. Lacroix/D. MacLellan) to approve the following new course HB 883
Epidemiological Applications in Primary Healthcare Research CARRIED**

HB 883 Epidemiological Applications in Primary Healthcare Research

This course introduces essential principles of epidemiological applications that are relevant to primary healthcare research. Students will be introduced to the principles of patient oriented research, primary

healthcare, and the background of epidemiological applications, as well as the specific applications and computations of sensitivity and specificity, risk estimation, rates and proportions, hypothesis generating and hypothesis evaluation, as well as arithmetic and mathematical modeling. A combination of formal lectures, directed readings, group discussions and interpretation of outcomes from specific analyses using customized "webulators" will be used. Students are expected to prepare written reports and/or present seminars.

PREREQUISITE:

Admission to a graduate program in Science and permission of the instructor

HOURS OF CREDIT: 3

School of Nursing

11.MOTION (C. Lacroix/R. MacDonald) that the Course NURS 616 Pharmacotherapeutics for Advanced Practice be approved as proposed. CARRIED

NURS 616 - Pharmacotherapeutics for Advanced Practice

This course provides students with an opportunity to acquire the advanced knowledge required to critically appraise/interpret concepts integral to pharmacotherapy and advanced counseling in the treatment of common conditions seen across the lifespan in primary health care settings. Building upon basic pharmacologic principles and the pharmacologic actions of the major drug classes, learning will focus on the preparation of students to develop, initiate, manage, and evaluate patient-centered therapeutic plans of care. In addition, students will analyze different pharmacotherapeutic principles and approaches in relation to physiologic systems, with an emphasis on the competent application of these pharmaceutical agents. Legal aspects related to prescriptive authority will be fully addressed.

Pre-requisites and/or Co-requisites

Enrolment in first year of the MN Program, NP stream

Hours of Credit: 3

b) Senate Scholarships and Awards Committee report (for information)

The following three awards were presented for information.

Charles & Ethnee Booker Nursing Award

Originated: January 9, 2015

Type: Annually Funded

Value of Award: \$500

Awarding Cycle: Fall

Criteria:

This award will be granted to a student in his/her fourth year of study in the School of Nursing who has an expressed passion for maternity nursing. The successful recipient will be recommended by the Dean of Nursing in consultation with faculty, and approved by the Senate Committee on Scholarships and Awards.

The Cobequid Dog Club Scholarship

Originated: February 1, 2015

Type: Annually Funded

Value of Award: \$50

Awarding Cycle: Fall Recognition Night

Criteria:

This award will be granted to a student entering the Atlantic Veterinary College at the University of Prince Edward Island who is normally resident in Nova Scotia (as defined by the MPHEC Definition of Resident) and graduated from

the Faculty of Agriculture at Dalhousie University in Truro, Nova Scotia. In the case of two equally qualifying candidates, preference will be given to the student with the greatest financial need.

Zoetis Award for Excellence in Equine Practice

Originated: 2014

Type: Annually Funded

Value of Award: \$1,000

Awarding Cycle: AVC White Coat

Criteria:

This award will be given annually to a graduating student in veterinary medicine at the Atlantic Veterinary College demonstrating proficiency in equine practice (ambulatory, internal medicine and/or surgery) and concern for patient welfare. The successful recipient will be selected by the AVC Awards and Scholarships Committee in consultation with faculty members involved in 4th year equine practice rotations. The recommended recipient will be approved by the UPEI Senate Scholarships and Awards Committee.

6. **Academic Planning Committee Update**

C. Lacroix advised that the Academic Planning Committee has been meeting regularly. The last meeting dealt with revising the timeline for the delivery of a plan to the Senate. Given the amount of consultation required and given the impact of the storm delays, the Committee does not feel it will be ready to bring a first draft to Senate until September, 2015. The additional time between now and then will provide the various stakeholders an opportunity to work on surveys and for the Committee to communicate with the University community.

7. **Other Business**

None

8. **Adjournment**

Motion (T. Gordon/J. Sentance) to adjourn meeting at 3:35p.m. CARRIED

Respectfully submitted,

Kathleen Kielly
Registrar and Secretary to Senate