MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on September 11, 2018, at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

1. PRESENT

The President, Dr. N. Golfman, Dr. N. Bose, Dr. R. Shea (for Mr. G. Blackwood), Dr. J. Keshen (via videoconferencing), Dr. M. Abrahams, Dr. S. Bugden, Dr. I. Dostaler, Ms. C. Ennis-Williams, Dr. A. Gaudine, Dr. D. Hardy-Cox, Dr. G. Naterer, Mr. T. Nault, Dr. M. Piercey-Normore (via videoconferencing), Dr. L. Robinson (via videoconferencing), Dr. L. Rohr, Ms. B. Simmons, Dr. J. Simpson, Dr. M. Steele, Dr. A. Surprenant, Dr. I. Sutherland, Dr. T. Adey, Dr. E. Bezzina (via videoconferencing), Dr. J. Blundell, Mr. P. Brett, Dr. J. Connor, Professor A. Fisher, Dr. G. George, Dr. M. Haghir (via videoconferencing), Dr. R. Haynes, Mr. D. Howse, Dr. E. Kendall, Dr. F. Kerton, Dr. K. Kornesi, Dr. S. MacDonald, Dr. M. Marshall, Dr. S. Matthews, Dr. S. McConnell, Dr. J. Munroe, Dr. D. Peters, Ms. H. Pretty, Dr. A. Rose, Dr. A. Sarkar, Dr. K. Simonsen, Ms. H. Skanes, Mr. P. Stewart (via videoconferencing), Mr. M. Waller (via videoconferencing), Dr. J. Westcott, Dr. R. Whitaker, Mr. P. Isesele, J. Godfrey, Ms. B. Howard.

Chair of the Senate Committee on Undergraduate Studies
(Standing Invitation)

Dr. Shannon Sullivan

The President welcomed Senators to the first meeting of Senate for the new academic year. He thanked everyone agreeing to be a part of Senate.

Land acknowledgement:

We respectfully acknowledge the territory in which we gather as the ancestral homelands of the Beothuk, and the island of Newfoundland as the ancestral homelands of the Mi'kmaq and Beothuk. We would also like to recognize the Inuit of Nunatsiavut and NunatuKavut and the Innu of Nitassinan, and their ancestors, as the original people of Labrador. We strive for respectful partnerships with all the peoples of this province as we search for collective healing and true reconciliation and honour this beautiful land together.
Welcome:

**New Dean of Human Kinetics and Recreation**
Dr. Linda Rohr (effective September 1, 2018)

**Dean of Science (returning)**
Dr. Mark Abrahams

**New and re-elected Senators**
Dr. Tanis Adey - Medicine
Dr. Robin Whitaker - Humanities and Social Sciences
Dr. Scott Matthews - Humanities and Social Sciences
Dr. Kurt Korneski - Humanities and Social Sciences
Dr. Noriko Daneshtalab - Pharmacy
Dr. Jillian Westcott - Marine Institute
Dr. Ronald Haynes - Science
Dr. George Jenner - Science
Dr. James Munroe - Science
Dr. Edward Kendall - Medicine
Dr. Asoka Samarasena - Medicine
Dr. Sandra MacDonald - Nursing
Dr. Karen Parsons - Nursing (re-elected)
Professor Andrew Fisher - Engineering (re-elected)
Dr. Glyn George - Engineering (re-elected)

**New GSU Representative**
Mr. Peter Iselele

**New MUNSU Representatives**
Mr. John Godfrey
Ms. Bailey Howard
Ms. Alison Kavanagh

The President asked all to join him in welcoming all new Senators with a round of applause.

**Attending by invitation for the Post-Secondary Education Review**
Ms. Paula Dyke, Associate Director, Communications, Marketing & Communications

**Attending by invitation for the Budget and Pension Update**
Mr. Kent Decker, Vice-President (Administration and Finance)

The President noted that it would be appreciated if when you speak you use the microphone and introduce yourself and your constituency as Grenfell Campus Senators are joining by videoconferencing and otherwise will not be able to hear.
2. APOLOGIES FOR ABSENCE

Apologies were received from Dr. K. Anderson, Dr. N. Daneshtalab, Dr. A. Samarasena.

3. MINUTES

It was moved by Dr. George, seconded by Dr. Peters, and carried that the Minutes of the regular meeting held on May 8, 2018, be taken as read and confirmed.

CONSENT AGENDA

It was moved by Dr. George, seconded by Dr. Surprenant, and carried that the consent agenda, comprising the items listed in 4-6 below, be approved as follows.

Dr. Naterer pointed out that Dr. Aziz Rahman is listed in the memorandum dated June 13, 2018, listing the members appointed to Senate Standing Committees, as being appointed to the Academic Unit Planning Committee and the Committee on Elections and Committees. He noted Dr. Rahman passed away June 16, 2018. The President noted that the memorandum was done before Dr. Rahman passed away and a call will be soon forwarded to fill the vacancies on all Senate Standing Committees.

4. Report of the Senate Committee on Undergraduate Studies

4.1 Bachelor of Business Administration Program, Grenfell Campus

Page 203, 2018-2019 Calendar, under the heading 13.4.2 Business Electives Course Descriptions, add the following new course as follows:

“3150 Intermediate Managerial Accounting is the study of in-depth managerial accounting concepts. This course will focus on topics such as budget preparation and analysis, cost management, cost analysis, pricing decisions, and performance management techniques.

PR: BUSN 2110 or BUSI 2101

Abbreviated Course Title: Inter. Managerial Accounting”

Page 176, 2018-2019 Calendar, under the heading 7.2.7 Bachelor of Business Administration, amend Table 11 Business Electives, as follows:
Bachelor of Business Administration Program, Grenfell Campus (cont’d)

Table 11 Business Electives

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Course Title</th>
<th>Course Title</th>
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<tr>
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<td>BUSN 5030</td>
<td>Economics 3550</td>
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<td>BUSN 2500</td>
<td>BUSN 4030</td>
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<td>BUSN 5050</td>
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<td>BUSN 3110</td>
<td>BUSN 4120</td>
<td>Computer Science 1700</td>
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<td>BUSN 4130</td>
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<td>Economics 3001</td>
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<td>Economics 3080</td>
<td>Political Science 3731</td>
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<td>BUSN 4800-4850</td>
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<td>Sociology 2120</td>
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<td>BUSN 3620</td>
<td>BUSN 5010</td>
<td>Economics 3150</td>
<td>Sustainable Resource Management 4003</td>
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<td>BUSN 4020</td>
<td>BUSN 5020</td>
<td>Economics 3160</td>
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</tr>
</tbody>
</table>

4.2 Faculty of Medicine

Page 397, 2018-2019 Calendar, following section 11.4 Phase 4 – Integration Into Clinical Practice, add a new section as follows and renumber subsequent sections as follows:

“11.5 Advanced Career Planning

8999 Advanced Career Planning information is available at the MedCAREERS website.
AR: attendance is required
CH: 0
PR: permission of the Associate Dean, UGME
UL: not applicable to the MD program”

4.3 Department of Archaeology

Page 339, 2018-2019 Calendar, under the heading 15.2 Archaeology, amend the section as follows:

“3585 Archaeological Fieldwork provides instruction and experience in site survey, mapping and sampling strategies, as well as the careful excavation and recovery of archaeological materials (i.e., artifacts and
Department of Archaeology (cont’d)

ecofacts). Students also receive an introduction to archaeological research pertaining to cultures of a selected region.

AR: Attendance required
PR: ARCH 2583 (or the former Arch 3583) and permission of the instructor
CO: ARCH 3586

3586 Laboratory Techniques instructs students in the methods used to clean, catalogue and interpret archaeological materials. Students will also receive training in proper archaeological conservation procedures.

AR: Attendance required
PR: ARCH 2583 (or the former Arch 3583) and permission of the instructor
CO: ARCH 3585"

4.4 Department of Political Science

Page 376, 2018-2019 Calendar, under the heading 15.26 Political Science, add the following new courses as follows:

“3230 The Global Politics of the End of the World (As We Know It) explores how human societies have imagined, predicted, and faced the prospects of the end of their world. Students will study recorded collapses of societies, the threat of modern and thermonuclear war, and current scholarship on planet politics and the Anthropocene. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS.

Abbreviated Course Title: Global Politics & World’s End

3235 The First World War in International Politics explores the place of the First World War in International Relations. Topics to be reviewed are the international relations of the war, the place of the First World War in causes of war debates, and the effects of the war on International Relations and global politics. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS.

Abbreviated Course Title: WW1 in International Politics

4320 Democracy and the Phantom Public considers the relationship between public opinion and representative government through a comprehensive review of theoretical perspectives and empirical debates in the study of mass political attitudes.

Abbreviated Course Title: Democracy and Phantom Public”
Department of Political Science (cont’d)

Page 261, 2018-2019 Calendar, under the heading 6.2.3 International Studies (IS) Courses Requirement, amend Table 3 International Studies (IS) Designated Courses as follows:

<table>
<thead>
<tr>
<th>2000-Level</th>
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<tr>
<td>Anthropology 2412, 2413</td>
<td>Anthropology 3200, 3083, 3260, 3409</td>
<td>Anthropology 4415, 4416</td>
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<tr>
<td>English 2122</td>
<td>Economics 3030, 3150</td>
<td>Economics 4030, 4031</td>
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<tr>
<td>Folklore 2500</td>
<td>Folklore 3100, 3250, 3360</td>
<td>Folklore 4470</td>
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<tr>
<td>Geography 2001, 2102, 2302</td>
<td>French 3654</td>
<td>Folklore 4460 or Religious Studies 4460</td>
</tr>
<tr>
<td>History 2065, 2500, 2510, 2800</td>
<td>Gender Studies 3008, 3025</td>
<td>Geography 4300</td>
</tr>
<tr>
<td>Political Science 2200</td>
<td>Geography 3420, 3510, 3620, 3800</td>
<td>History 4419, 4421</td>
</tr>
<tr>
<td>Sociology 2250</td>
<td>History 3030, 3765, 3807</td>
<td>Political Science 4210, 4215, 4230, 4255, 4290</td>
</tr>
<tr>
<td>Folkslove 2230, 3220, 3230, 3235, 3230, 3290, 3290</td>
<td>Political Science 3210, 3220, 3250, 3260, 3290</td>
<td>Sociology 4093, 4230</td>
</tr>
<tr>
<td>Sociology 3260</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.5 Department of Archaeology

Page 339, 2018-2019 Calendar, under the heading 15.2 Archaeology, amend the section as follows:

“2481 Ancient Civilizations of the Americas is a survey course introducing the archaeology and ethnohistory of various pre-contact civilizations of North, Central and South America. Archaeological Evidence will be used to explore the rise of civilizations in the Americas and particular civilizations will be examined and compared based on ideology, economy and administration. The Aztec, Inca and Maya. The course is comparative and thematic, addressing the development, ideology, economics and administration of each civilization. The events and responses of these Indigenous civilizations to contact with Europeans will be investigated, examining the reasons their cities collapsed while the descendants of their populations continue to inhabit the same regions today.”

4.6 Department of Biology

Page 501, 2018-2019 Calendar, under the heading 12.2 Biology, amend the section as follows:

“4405 Landscape Ecology is an introduction to the theory and principles of landscape pattern and processes, including issues related to scale, networks, landform and vegetation patterns, species distributions, and natural and human-caused aspects of landscape change. CO: Statistics 2550 or equivalent”
Department of Biology (cont’d)

LC: either three hours of lecture and three hours of laboratory per week or a two-week intensive course that embodies equivalent instructional time

LH: either three hours of lecture and three hours of laboratory per week or a two-week intensive course that embodies equivalent instructional time

LH: 3

PR: Science 1807; BIOL 2600 and 18 credit hours in Biology; Statistics 2550 or equivalent, or permission from the course instructor”

Page 470, 2018-2019 Calendar, under the heading 11.2.3.5 Major in Biology (Co-operative) Program (BCOP), amend the section as follows:

“11.2.3.5 Major in Biology (Co-operative) Program (BCOP)

This program is available to full-time Biology majors only. The Biology (Co-operative) Program (BCOP) provides an opportunity for students to learn valuable practical skills while working in fields related to Biology. Students complete three Work Terms, which consist of full-time paid employment in the field of Biology of at least 12 weeks in duration. The timing of the Work Terms is such that employers stand to gain from the acquired skills of biology majors in training. The objectives of the Work Term component of the BCOP are embodied in the Work Term descriptions found at the end of the Faculty of Science section under Course Descriptions, Biology, Work Term Descriptions.

1. Admission Requirements

   a. Admission is limited, competitive, and selective.

   b. The primary criteria used in reaching decisions on applications for admission is motivation and overall academic achievement. Students may be required to participate in an interview as part of the selection process.

   c. A student must first be admitted to the Biology Major.

   d. Application deadline: November October 15 for the following Spring semester work term (normally the third semester in year two).

   e. To be admitted to the program, eligible for admission, a student must have completed the second year Biology Core, with an overall average of at least 65%, and an overall average of at least 65% in all Biology courses. A student must have an overall average of 65% in all other required courses, and must be registered for 15 credit hours as a full-time student in the semester in which application is made.
Department of Biology (cont’d)

2. Program of Study
   a. In addition to the requirements below, a student must fulfill all requirements for one of a Major in Biology; Major in Biology (Cell and Molecular); Major in Biology (Ecology and Conservation); Honours in Biology; Honours in Biology (Cell and Molecular); Honours in Biology (Ecology and Conservation); or Honours in Biology (Marine).

   b. Students’ status in the program is assessed at the end of each semester. To remain in BCOP, a student must receive a passing grade in all required courses, and must maintain an overall average of at least 65% in all Biology courses and an overall average of at least 65% in all courses, including electives. A student who fails a required course, fails to maintain an overall average of 65% in Biology courses, or fails to maintain an overall average of 65%, will be required to withdraw from BCOP. The student in question may apply for readmission in a subsequent year after passing the specified required course(s) previously failed, or re-establishing the required average.

   c. A student is required to complete three work terms, one of which must will normally be either in the Fall or Winter semester.

3. Work Term Placement
   a. General management of the work terms in BCOP is the responsibility of the designated Academic Staff Member in Co-operative Education (ASM-CE). ASM-CE’s Co-operative Education is responsible for facilitating the engagement of assisting potential employers to become involved in the program, organizing competitions for Work Term employment, arranging student-employer job interviews and facilities, managing the co-op data base management, and developing employment opportunities and monitoring students during the work term for the continual development of employment opportunities. Co-operative Education will work with the Biology Co-op Liaison to counsel students, visit students on work assignments and evaluate the work term.

   b. Students are ultimately responsible for securing their work term placements. ASM-CEs provide support for the job search and inform students of potential opportunities. Work placement is not guaranteed but every effort is made to ensure that appropriate employment is made available. In the case of students who are required to withdraw from the
Department of Biology (cont’d)

program, Co-operative Education has no responsibility for placement until they have been readmitted to the program.

c. A student who is admitted to the co-op program gives permission to the University to provide a copy of the applicant’s resume, university transcript and work term evaluations to potential employers.

d. A student who has been accepted to BCOP may independently obtain a work term placement in consultation with the ASM-CE. Such employment positions must satisfy the criteria for work terms, be confirmed in writing by the employer and be approved by the ASM-CE before the first day of the work term according to the University Diary. may obtain his/her own work term placement outside the competition. Such employment positions must be confirmed by the employer, and must be approved by the DCE coordinator and the Biology Department Liaison Cooperative Education.

e. Within a month after starting a Work Term, a student must submit a proposal for the work term report.

f. Salaries paid to co-operative students are determined by employers based on their internal wage structures.

4. Registration and Evaluation of Performance
   a. In Work Terms I, II, and III, a student must register for Biology 199W, 299W, and 399W respectively.
   b. Student performance evaluations are to be completed by the employer and returned to Co-operative Education. The Work Term evaluations shall consist of two components:
      i. On-the-job Student Performance:
         Job performance shall be assessed by Co-operative Education in consultation with the department using information gathered during the Work Term and input from the employer towards the end of the Work Term. Formal written documentation from the employer shall be sought. Evaluation of the job performance will result in one of the following classifications: OUTSTANDING, ABOVE EXPECTATIONS, SATISFACTORY, MARGINAL PASS, FAIL.
      ii. The Work Report Assignment(s):
         • A student is required to submit a Work Term report one or more assignment(s) to Co-operative Education as outlined in the course syllabus on the first day of final exams in the semester of the Work Term.
         • Work Term reports Assignments(s) shall be
Department of Biology (cont’d)

evaluated by a faculty member and an ASM-CE Co-operative Education.

- If an employer designates a report to be of a confidential nature, both employer and Co-operative Education must agree as to the methods to protect the confidentiality of such a report before the report may be accepted for evaluation.

- Reports must contain original work related to the Work Term placement. The topic must relate to the work experience and will be chosen by the student in consultation with the employer. The topic must be approved by the coordinator and the Biology Co-op Liaison.

Evaluation of the work term assignments will result in one of the following classifications: OUTSTANDING, ABOVE EXPECTATIONS, SATISFACTORY, MARGINAL PASS, FAIL.

The evaluation of the job performance and the work term report assignment(s) are recorded separately on the transcript. Overall evaluation of the work term will result in one of the following final grades being awarded:

- Pass with Distinction: Indicates OUTSTANDING PERFORMANCE in both the work term report assignment(s) and the job performance.
- Pass: Indicates that PERFORMANCE MEETS EXPECTATIONS in both the work term report assignment(s) and the job performance.
- Fail: Indicates FAILING PERFORMANCE in the work term report assignment(s) or the job performance, or both. To remain in BCOP, a student must obtain a final grade of Pass or higher.

If a student fails to achieve the Work Term standards specified above, the student will be required to withdraw from BCOP. Such a student may reapply to the program, at which time the student will be required to repeat the Work Term with satisfactory performance. Only one Work Term may be repeated in the entire program.

In order to be considered for readmission, a student must
Department of Biology (cont’d)

formally apply for readmission to the program not later than the deadline date outlined under Admission Requirements above.
e. A student who withdraws from a Work Term without acceptable cause subsequent to a job placement will be required to withdraw permanently from BCOP.
f. A student who drops a Work Term without prior approval from both Co-operative Education and the Biology Co-op Liaison, or who fails to honour an agreement to work with an employer, or conducts him/herself in such a manner as to cause the discharge from the job, will be awarded an overall grade of FAIL for the Work Term in question and will be required to withdraw permanently from BCOP.
g. Permission to drop a Work Term does not constitute a waiver of degree requirements, and a student who has obtained such permission must complete an approved Work Term in lieu of the one dropped.”

Page 473, 2018-2019 Calendar, under the heading 11.2.4.5 Honours in Biology (Co-operative), amend the section as follows:

“11.2.4.5 Honours in Biology (Co-operative)

1. Admission Requirements
   See Major in Biology (Co-operative)

2. Program of Study

   1. In addition to the requirements below, a student must fulfill all requirements for either an Honours in Biology, Honours in Biology (Cell and Molecular), Honours in Biology (Ecology and Conservation), or Honours in Biology (Marine) as described under each specific program.

   2. To remain in BCOP Honours, a student must receive a passing grade in all required courses, and must maintain an average of at least 65% in all Biology courses and an overall average of at least 70% in all courses, including electives.

   3. A student is required to complete three work terms, one of which must will normally be either in the Fall or Winter semester.”

Page 504, 2018-2019 Calendar, under the heading 12.2.1 Work Term Descriptions, amend the section as follows:
12.2.1 Work Term Descriptions

The following Work Terms are a requirement of the Biology (Co-operative) Program (BCOP) only.

199W Work Term I follows the successful completion of Semester 4. Students are expected to learn, develop and practice the high standards of behaviour and performance normally expected in the work environment. Students will observe, apply, analyse and/or evaluate concepts from biology courses in the workplace and further their understanding of the principles of biology and how they are applied in a professional setting.

(A detailed description of each job is normally posted during the job competition.)

As one component of the Work Term, the student is required to complete a work report. The work report, as a minimum requirement, should analyse an issue/problem related to the student's work environment.

1. demonstrate an understanding of the structure of a professional report, and show reasonable competence in written communication and presentation skills. (Students should consult the evaluation form provided in the placement package.)

Late reports will be graded as FAIL unless prior permission for a late report has been given by Co-operative Education.

Seminars on professional development, conducted by Co-operative Education, are presented during Semester 4 to introduce and prepare the student for participation in the subsequent work terms.

Topics may include, among others, work term evaluation, work report writing, career planning, employment seeking skills, resume preparation, self-employment, ethics and professional concepts, behavioural requirements in the workplace, assertiveness in the workplace and industrial safety.

CH: 0
LC: 0
PR: Admission to the Biology Major and successful completion of semester 4

299W Work Term II follows the successful completion of Semester 6. Students are expected to further develop and expand their knowledge and work-related skills and should be able to accept increased responsibility and challenge. In addition, students are expected to demonstrate an ability to deal with increasingly complex work-related concepts and problems. Students will continue to observe, apply, analyse and/or evaluate concepts from biology courses in the workplace and continue to further their understanding of the principles of biology and how they are applied in a professional setting. Students are required
Department of Biology (cont’d)

to complete one or more assignments, as outlined in the syllabus. The work report, as a minimum requirement should

1. analyze an issue/problem related to the student’s work environment and demonstrate an understanding of practical application of concepts relative to the student’s academic background
2. demonstrate competence in creating a professional report, and
3. show competence in written communication and presentation skills.

Late reports will be graded as FAIL unless prior permission for a late report has been given by Co-operative Education.

CH: 0
LC: 0
PR: admission to the Biology Major and successful completion of semester 6 BIOL 199W

399W Work Term III follows the successful completion of semester 7 or Work Term II. Students should have sufficient academic grounding and work experience to contribute in a positive manner to the problem-solving and management processes needed and practiced in the work environment. Students should become better acquainted with their discipline of study, should observe and appreciate the attitudes, responsibilities, and ethics normally expected of professionals and should exercise greater independence and responsibility in their assigned work functions.

The work report should reflect the growing professional development of the student and, as a minimum requirement, will

1. demonstrate an increased ability to analyse a significant issue/problem related to the student’s experience in the work environment
2. demonstrate a high level of competence in producing a professional report, and
3. show a high level of competence in written communication and presentation skills.

Late reports will be graded as FAIL unless prior permission for a late report has been given by Co-operative Education.

CH: 0
LC: 0
PR: admission to the Biology Major and successful completion of semester 7 or Work Term II BIOL 299W

4.7 Department of Chemistry

Page 505, 2018-2019 Calendar, under the heading 12.3 Chemistry, amend the section as follows:

“1011 Introductory Chemistry II examines atomic structure; periodic properties; chemical bonding including VSEPR shapes and polarity;
Department of Chemistry (cont’d)

introduction to valence bond theory and hybridization; liquids, solids and intermolecular forces; solubility equilibrium; electrochemistry.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 1001 and CHEM 1051
LH: 3 hours biweekly alternating with tutorials
OR: 1.5 hour tutorial alternating with labs
PR: Science 1807; CHEM 1010
UL: only 6 science credit hours will be awarded for a major or honours in Chemistry from the following course groups: CHEM 1010/1011/the former 1031, or CHEM 1010/1050/1051, or CHEM 1810/1200/1001 (Grenfell Campus)

1010 Introductory Chemistry I examines descriptive chemistry; measurements; atoms; molecules; the mole; mole calculations and reaction stoichiometry; the balancing of redox reactions; gases; thermochemistry; introduction to chemical kinetics and equilibrium; acids and bases.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 1200
LC: 4
LH: 3 hours biweekly alternating with tutorials
OR: 1.5 hour tutorial alternating with labs
PR: Science 1807. It is recommended that students have successfully completed high school Academic Mathematics 3201, or a pass in any university level mathematics course
UL: only 6 science credit hours will be awarded for a major or honours in Chemistry from the following course groups: CHEM 1010/1011/the former 1031, or CHEM 1010/1050/1051, or CHEM 1810/1200/1001 (Grenfell Campus), or CHEM 1010/the former 1011/the former 1031

1050 General Chemistry I builds on basic chemistry concepts from high school. Topics include gases; thermochemistry; atomic structure; periodic properties; chemical bonding including valence bond theory; hybridization and introduction to molecular orbital theory; properties of liquids and solids.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 1200
LC: 4
Department of Chemistry (cont’d)

LH: 3
PR: Science 1807; CHEM 1010 with a grade of at least 60% or high school CHEM 3202 with a grade of at least 65%. It is also recommended that students have successfully completed high school Mathematics 3200 or 3201.
UL: only 6 science credit hours will be awarded for a major or honours in Chemistry from the following course groups: CHEM 1010/1011/the former 1031, or CHEM 1010/1050/1051, or CHEM 1810/1200/1001 (Grenfell Campus), or CHEM 1010/the former 1011/the former 1031

1051 General Chemistry II builds on CHEM 1050 topics and on basic chemistry concepts from high school. Topics include solutions, kinetics, chemical equilibrium, equilibria involving acids and bases including polyprotic acids, buffers, acid-base indicators, titration curves, solubility and complex ion equilibrium, thermodynamics, and electrochemistry.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 1001 and the former CHEM 1011
LC: 4
LH: 3
PR: Science 1807; CHEM 1050 (or CHEM Chemistry 1200 with a minimum grade of 65%) or CHEM 1010 and the former CHEM 1011 with a grade of at least 80%; or the former CHEM 1011 with a grade of at least 85%; or CHEM 1001 (or the former CHEM 1031) with a grade of at least 65%

2400 Introductory Organic Chemistry I is a course on bonding involving carbon; conformations and stereochemistry; introduction to functional groups and nomenclature; properties, syntheses and reactions of hydrocarbons, alkyl halides, alcohols and ethers.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 2440
LH: 3
PR: Science 1807; a minimum 60% in CHEM 1051, or CHEM 1010 and the former CHEM 1011 with a grade of at least 80% in each; or the former CHEM 1011 with a grade of at least 85%; or CHEM 1001 (or the former CHEM 1031) with a grade of at least 65%
Department of Chemistry (cont’d)

2610 Introductory Chemical Oceanography (same as Ocean Sciences 2100) provides an introduction to the fundamental chemical properties of seawater and the processes governing the concentrations of elements and compounds in the oceans. It is an introduction to the sources, distribution, and transformations of chemical constituents of the ocean, and their relation to biological, chemical, geological, and physical processes. Topics include: controls on average concentration of chemicals in the ocean; vertical and horizontal distributions of ocean constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes; and trace elements.

CR: Ocean Sciences 2100
PR: The former CHEM 1011 or 1051 or 1001 which may be taken concurrently or CHEM 1001”

Page 519, 2018-2019 Calendar, under the heading 12.9 Ocean Sciences, amend the section as follows:

“2100 Introductory Chemical Oceanography (same as Chemistry 2610) provides an introduction to the fundamental chemical properties of seawater and the processes governing the concentrations of elements and compounds in the oceans. It is an introduction to the sources, distribution, and transformations of chemical constituents of the ocean, and their relation to biological, chemical, geological, and physical processes. Topics include: controls on average concentration of chemicals in the ocean; vertical and horizontal distributions of ocean constituents; air-sea interactions; production, export, and remineralization of organic matter; the ocean carbon cycle; human-induced changes; stable isotopes; and trace elements.

CR: Chemistry 2610
PR: The former CHEM Chemistry 1011 or 1051 or 1001 which may be taken concurrently”

Page 474, 2018-2019 Calendar, under the heading 11.3.3 Minor in Chemistry, amend the section as follows:

“11.3.3 Minor in Chemistry
Students who take a minor in Chemistry will complete CHEM Chemistry 1050 and 1051 (or 1010, the former 1011 and the former 1031) (or 1200 and 1001), CHEM Chemistry 2100, 2210, 2301 or 2302, and 2400, and 6 credit hours in other chemistry courses at the 2000 level or above.”

Page 474, 2-018-2019 Calendar, under the heading 11.3.5.1 Required Courses, amend the section as follows:
Department of Chemistry (cont’d)

“11.3.5.1 Required Courses
1. CHEM Chemistry 1050 and 1051 (or 1010, the former 1011 and the former 1031)
or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3411, and 490A/B.”

Page 477, 2018-2019 Calendar, under the heading 11.3.9.2 Other Information, amend the section as follows:

“11.3.9.2 Other Information
5. Students completing first year requirements for any of Chemistry, Mathematics, or Physics via the three course options (i.e. Chemistry 1010, 1050, 1051, (or 1010, the former 1011, and the former 1031) Mathematics 1090, 1000, 1001, Physics 1020, 1021, 1051) instead of the two course options (Chemistry 1050, 1051, Mathematics 1000, 1001, Physics 1050, 1051) will require the corresponding number of extra credits to obtain an Honours degree.”

Page 464, 2018-2019 Calendar, under the heading 10.2.12 Chemistry and Earth Sciences Joint Honours, amend the section as follows:

“10.2.12 Chemistry and Earth Sciences Joint Honours
The following courses, including prerequisites, where applicable, will be required:
1. English 1090 or the former English 1080 and 1110 (or equivalents), Mathematics 1000 and 1001, Earth Sciences 1000 and 1001, CHEM Chemistry 1050 and 1051 (or 1010, the former 1011 and the former 1031) (or 1200 and 1001) or their equivalents, Physics 1050 (or 1020) and 1051 (or 1021).”

Page 505, 2018-2019 Calendar, under the heading 12.3 Chemistry, amend the section as follows:

“2440 Organic Chemistry for Biologists is an introduction to the principles of organic chemistry with an emphasis on material relevant to biological molecules. The laboratory will introduce techniques and illustrate concepts covered in the course. This course is designed primarily for Biology Majors.
AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.
CR: CHEM 2400
LH: 3
PR: Science 1807; CHEM 1051 or a minimum 60% in CHEM 1011
Department of Chemistry (cont’d)

UL: may not be used for credit by Chemistry or Biochemistry Majors and will not serve as a prerequisite for any other Chemistry course.”

4.8 Department of Ocean Sciences

Page 519, 2018-2019 Calendar, under the heading 12.9 Ocean Sciences, amend the section as follows:

“2500 Introduction to Practical Ocean Sciences explores the instruments, techniques and analytical methods commonly used to study marine life and processes, chiefly focusing on the interaction between living organisms and their chemical, physical and geological environment. The course combines ship-based or shore-based sampling and data collection with laboratory investigation in an intensive 2-week long format. It is primarily intended for mid-level undergraduate students majoring in Ocean Sciences. This course will either be offered during a special session following the Winter semester, or in the Spring semester.

AR: attendance is required. Failure to attend may result in a failing grade or withdrawal from the course.
PR: Science 1807; OCSC 1000, and at least three of OCSC 2000 (or Biology 3710), 2001, 2100, 2200, 2300”

4.9 Department of English

Page 209, 2018-2019 Calendar, under the heading 13.10.4 Modern Literature, add the following new course as follows:

“3245 The American Satirical Novel focuses on novels from the twentieth century to the present which examine from a satirical standpoint the vices, follies and shortcomings of American society, presenting critiques of issues such as race, gender, sexuality, education, employment, politics, religion, warfare, consumerism, technology, media, and celebrity.

PR: successful completion of at least 6 credit hours in English courses at the second-year level. It is strongly recommended that students take ENGL 2243 prior to taking ENGL 3245.
CR: ENGL 3001.
ABBREVIATED COURSE TITLE: The American Satirical Novel”

Page 171, 2018-2019 Calendar, under the heading 7.2.1 Bachelor of Arts with Major in English Language and Literature, Table 1 Bachelor
of Arts with Major in English Language and Literature, amend the -
Modern Literature Concentration section as follows:

“Modern Literature Concentration
English 3215, 3216, 4950 and 9 credit hours in Modern Literature from
the following selection: English 2215, 2242, 2243, 2244, 2705, 2805,
2870, 2905, 3245, 3275, 3810, 3905, 4245, 4246, 4302, 4305, 4308,
4861-4870, 4905.”

Page 347, 2018-2019 Calendar, under the heading 15.6 English, amend
the section as follows:

“3001 Satire is a study of satire from classic times, examining major
forms of satiric expression such as the monologue, the parody and the
long narrative.
PR: 3 credit hours in English at the 2000 level
CR: ENGL 3245”

Faculty of Business Administration

Page 80, 2018-2019 Calendar, under the heading 10.2 Core and
Elective Course Descriptions, amend the section as follows:

“1210 Introduction to Marketing Strategy introduces students to the
concepts, analyses, and activities that comprise marketing strategy, and
provides practice in assessing and solving strategic problems in
marketing. The course is also a foundation for BUSI 2210 Introduction
to Marketing Tactics, and for advanced electives in marketing. Topics
include: marketing strategy, environmental analysis, competitive
analysis, customer behaviour, marketing research, segmentation,
targeting, and positioning.
CR: the former BUSI 1201 or BUSI 2201 or BUSI 3200; Business 2200
PR: English 1110 or 1021, BUSI 1000

2210 Introduction to Marketing Tactics introduces students to the
concepts, analyses, and activities that comprise marketing tactics, and
provides practice in making decisions about tactical problems in
marketing. The course is also a foundation for advanced electives in
marketing. Topics include: product management, pricing, marketing
communications, channels of distribution, implementation, and
budgeting.
CR: the former BUSI 1201 or BUSI 2201 or BUSI 3200, Business 2250
PR: BUSI 1210 or the former BUSI 1201
Faculty of Business Administration (cont’d)

**3210 Consumer Behaviour** (formerly BUSI 5200) deals with concepts related to factors which influence the purchase and consumption behaviour of individuals including culture, social class, reference groups, perception, learning, motivation, personality and lifestyle. The unique aspects of groups and organizational buyers will also be examined.
CR: the former BUSI 5200, Business 3240
PR: BUSI 2010, and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

**5210 Marketing Communications** (formerly BUSI 6210) provides a theoretical background on the nature, role and principles of marketing communications; and develops analytical and decision-making skills in planning, executing, evaluating and controlling marketing communications campaigns.
CR: the former BUSI 6210
PR: BUSI 2010, and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

**5217 Professional Selling** provides a detailed introduction to and application of the principles of personal selling. The course introduces the basic concepts of professional selling, including customer analysis, communication skills, effective openings and closings, and customer relations. Selling skills and concepts are developed through the extensive use of sales exercises, role-plays and presentations.
CR: the former BUSI 6220
PR: BUSI 2010, BUSI 3210 and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

**5220 Marketing Research** (formerly BUSI 6200) is designed to acquaint the student with the use of marketing research as an aid to management. This is a comprehensive survey of the scope and methods of marketing research.
CR: the former BUSI 6200, Business 4210
PR: Statistics 2500, BUSI 2010, BUSI 3210 and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

**5250 Business and Industrial Marketing** (same as the former BUSI 7220 and the former BUSI 7250) presents a comprehensive view of business markets, including industrial, institutional, and government markets. There is a balanced focus on strategy development and implementation. Particular attention is given to organizational buying behaviour, relationship management, global competitiveness, and the marketing of new high technology products and services.
Faculty of Business Administration (cont’d)

CR: the former BUSI 7220, the former BUSI 7250
PR: BUSI 2010, BUSI 3210 and any of: BUSI 2210 (or the former BUSI 2201 or BUSI 3200)

6217 Salesforce Management examines the elements of an effective salesforce as a key component of the organization’s total marketing effort. The course will apply theory relating to salesforce management from a manager’s point of view. Topics include the sales process, the relationship between sales and marketing salesforce structure, territory design, use of technology to improve salesforce effectiveness, and issues in recruiting, selecting, training, motivating, compensating and retaining salespeople.
CR: the former BUSI 6220
PR: BUSI 2010, BUSI 3210, BUSI 5217 and any of: BUSI 2210 or the former BUSI 2201, the former BUSI 3200

6230 Services Marketing is intended to examine the marketing of services and the role of services in supporting the marketing of tangible products. The distinction between the marketing of tangibles and intangibles will be stressed. The course will identify and examine the distinct issues which are encountered in the marketing of services and will explore appropriate strategies for implementing services marketing programs, primarily in services organizations, including health care, transportation, telecommunications, education, etc. Specifically, the course will examine in detail the role of people in delivering services, the importance of service quality as a strategic differentiating tool, and the importance of collaboration between marketing and human resources management in the delivery of services.
CR: Business 3220
PR: BUSI 2010, BUSI 3210, and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

6241 Digital Marketing is designed to acquaint students with Internet and other electronic based marketing efforts. It addresses the use of the Internet as a digital channel and communications medium.
CR: the former BUSI 6004 and the former BUSI 6240
PR: BUSI 2010, and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

6250 Retailing Management (formerly BUSI 7210) provides an integrative examination of the activities involved in marketing goods and services directly to the ultimate consumer. Specifically, the following areas will be examined within a managerial framework: the evolution of retailing; retailing within the marketing channel; market analysis and planning; shopping behaviour; image and retail
Faculty of Business Administration (cont’d)

advertising; trading area and site analysis; store layout; shelf space utilization; merchandising; and the future prospects for retailing.
CR: the former 7210
PR: BUSI 2010, and any of: BUSI 2210, or the former BUSI 2201, the former BUSI 3200

7218 Customer Relationship Management (CRM) (same as the formerly BUSI 6218) is the evolution and integration of marketing ideas, data, technology, and organizational factors. Relying on the integration of people, processes, and marketing capabilities and facilitated by information technology, effective CRM optimizes the identification, acquisition, growth, and retention of desired customers. The history of CRM and the benefits and challenges of its implementation in business and consumer markets are addressed. The course culminates in the student's creation of a CRM strategic plan.
CR: the former BUSI 6218
PR: BUSI 2010, BUSI 3210, BUSI 5220, BUSI 5250, the former BUSI 7250, and any of: BUSI 2210, or the former BUSI 2201, or the former BUSI 3200

7240 International Marketing provides an understanding of the effects that the international dimension has upon the strategies and management of the marketing efforts of the firm. In particular, the student is introduced to the analysis techniques of the various environments that constitute a country analysis. Entry strategies are discussed with an emphasis upon the export process. Finally, the standardization/adaptation question is discussed in the context of each element of the marketing mix.
CR: the former BUSI 6001, Business 4230
PR: BUSI 2010, BUSI 3210, BUSI 5220 and any of: BUSI 2210, or the former BUSI 2201, or the former BUSI 3200

4.11 Dean’s List

Page 287, 2018-2019 Calendar, following 13.2 Procedure and Criteria, add the following new section:

“13.3 Dean's Award for Academic Excellence
A student named to the HSS Dean's List a fourth time will receive a transcript notation of “Dean’s Award for Academic Excellence in Humanities and Social Sciences”.”
4.12 Department of Gender Studies

Page 358, 2018-2019 Calendar, under the heading 15.10 Gender Studies, add the following new course as follows:

“2010 Masculinities in Critical, Global Perspective This course engages theories of masculinities from a feminist perspective, in a variety of geographical and cultural contexts. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS.

ABBREVIATED COURSE TITLE: Global Masculinities”

Page 261, 2018-2019 Calendar, under the heading 6.2.3 International Studies (IS) Courses Requirement, amend Table 3 International Studies (IS) Designated Courses as follows:

“2000-level
Anthropology 2412, 2413 English 2122 Folklore 2500 Gender Studies 2010 Geography 2001, 2102, 2302 History 2065, 2500, 2510, 2800 Political Science 2200 Sociology 2250

3000-level
Anthropology 3200, 3083, 3260, 3409 Economics 3030, 3150 English 3160 Folklore 3100, 3250, 3360 French 3654 Gender Studies 3008, 3025 Geography 3420, 3510, 3620, 3800 History 3030, 3765, 3807 Political Science 3210, 3220, 3250, 3260, 3290 Sociology 3260

4000-level (minimum 6 credit hours
Anthropology 4415, 4416 Economics 4030, 4031 Folklore 4470 Folklore/Religious Studies 4460 Geography 4300 History 4419, 4421 Political Science 4210, 4215, 4230, 4255, 4290 Sociology 4093, 4230”

4.13 Department of History

Page 363, 2018-2019 Calendar, under the heading 15.16 History, amend the section as follows:

“3823 History of Terrorism is the study of the historical origins of modern terrorism both within nations and transnationally. The course will emphasize the significance of terrorism, the interconnections between terrorist organizations, the activities of numerous terror groups, with examples drawn from a variety of countries. A range of historical viewpoints will be presented to understand the many controversial issues which surround this topic.

ABBREVIATED COURSE TITLE: History of Terrorism

3827 History of Espionage examines the historical significance of espionage from ancient to recent times, emphasizing pivotal events in
global history such as the Cuban Missile Crisis, the historical resort to
disinformation, violent and nonviolent methods used to acquire
intelligence, and the creation of bureaucratic intelligence structures like
the CIA. The careers of particular spies, particularly double agents, will
also be studied.

**ABBREVIATED COURSE TITLE:** History of Espionage

**3800-3830 (Excluding 3801, 3806, 3807, 3811, 3821, and 3822, 3823 and 3827) Contemporary Problems in Historical Perspective** is an analysis of developments leading to a contemporary issue or problem selected each year or semester. Aspects to be studied will be posted on the Department of History website.

CR: credit may be obtained for only one of HIST 3016 and HIST 3803

**4417 Assassinations In History** focuses on the significance of several different assassinations within a global context. Each student will select a specific assassination (such as that of Martin Luther King or Mohandas Gandhi) to research and will assess the consequences of the assassination on government and society. This research will emphasize the events of these varied assassinations, the motivation of each assassin and whether or not there was a conspiracy. These assassinations will be compared and contrasted in class.

**ABBREVIATED COURSE TITLE:** Assassinations in History

**4410-4430 (Excluding 4411, 4417, 4419, 4421 and 4429) Historical Problems** are specialized studies in historical problems. Aspects to be studied will be posted on the Department of History website.”

### 4.14 Department of Sociology

Page 383, 2018-2019 Calendar, under the heading 15.29 Sociology, amend the section as follows:

**“3020 Introduction to Social Network Analysis** considers the idea that who you know matters, and shows how the structure of networks relates to everyday life. Students will learn how connections impact outcomes in areas such as health, employment, business, and critically examine how forms of social inequality like gender, ethnicity and class influence who we get to know. Students will be introduced to network analysis through the collection and analysis of their own networks.

**ABBREVIATED COURSE TITLE:** Intro Social Network Analysis”

### 4.15 Department of English

Page 347, 2018-2019 Calendar, under the heading 15.6 English, amend the section as follows:
Department of English (cont’d)

“3266-3275 3274 Special Topics in American Literature”

4.16  Department of Biology

Page 496, 2018-2019 Calendar, under the heading 11.2.1 Entrance Requirements, amend the section as follows:

“11.2.1 Entrance Requirements

Entry to the Biology Majors Program is competitive and based on academic standing.
To be considered for admission to the program students must have completed Biology 1001/1002 with an average of at least 65%. In addition, applicants will normally have completed the following courses (or their equivalents) and must have a minimum overall average of 60% in these courses.
1. English 1090 or the former English 1080, 1110 or equivalent
2. Mathematics 1090 and Mathematics 1000 (or Mathematics 109A/B and Mathematics 1000, or Mathematics 1000 only)
3. Chemistry 1010/1011, 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011) or Physics 1020/1021 (or equivalent)
4. If Mathematics 1000 taken, any one other first year course.

Chemistry 1010/1011 (or 1050—and 1051) (or 1200 and 1001) should be taken in the first year, as it is a prerequisite for other required courses in the programs, and delaying chemistry until second year may make it difficult to complete the program in the normal eight semesters.

11.2.2 Minor in Biology

A minor in Biology will consist of 24 credit hours in Biology courses: 1001 and 1002 (or equivalent) plus any 18 credit hours chosen from the list of Biology courses except Biology 2040, 2041, 2120, 3053, and 3820. The choice of courses must be made in consultation with the Head of Biology or delegate and it is recommended (but not required) that students take at least two Biology courses at the 3000 level or above.

11.2.3 General Degrees

Each Major is assigned a faculty advisor who should be consulted on academic problems, including course selection.
11.2.3.1 Major in Biology

All students majoring in Biology are required to complete a minimum of 45 credit hours in courses from the Department of Biology offering. Those 45 credit hours must include:

Biology 1001 and 1002 or their equivalents; the 15 credit hours in core courses listed below; and 24 credit hours in Biology electives at the 2000, 3000 or 4000 level except Biology 2040, 2041, 2120, 3053, and 3820.

Biology Core (15 credit hours): Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404.

A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.

All majors must also successfully complete the following courses or their equivalents:

1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010/1011 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440 2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Extra Science courses as necessary to fulfil the requirement for 78 credit hours in Science as stipulated in Clause 3.a. of the Regulations for the General Degree of Bachelor of Science.

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science 1000 or 1600.

Note: To minimize timetabling problems, students on the St. John's campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and 2060 and 2900 in their fourth semester (Winter).

11.2.3.2 Major in Biology (Cell and Molecular)

All students majoring in Biology (Cell and Molecular) are required to complete a minimum of 45 credit hours in courses from the Department of Biology offering. Those 45 credit hours must include:

Biology 1001 and 1002 or their equivalents; the 15 credit hours in core courses listed below; Biology 3530 and 4241; 6 credit hours from the
Department of Biology (cont’d)

recommended Biology courses for Biology (Cell and Molecular) listed below; and 12 credit hours from Biology electives at the 2000, 3000 or 4000 level except Biology 2040, 2041, 2120, 3053, and 3820.

Biology Core (15 credit hours): Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404.

Recommended Biology courses for Biology (Cell and Molecular) are 3050, 3052, 3401, 3402, 3500, 3620, 3950, 3951, 4010, 4040, 4050, 4200, 4245, 4250, 4251, 4255, 4404, 4550, 4605, and 4607.

A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar. All majors must also successfully complete the following courses or their equivalents:

1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011, 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440, 2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Extra Science courses as necessary to fulfil the requirement for 78 credit hours in Science as stipulated in Clause 3.a. of the Regulations for the General Degree of Bachelor of Science.

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science 1000 or 1600.

Note: To minimize timetabling problems, students on the St. John's campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and 2060 and 2900 in their fourth semester (Winter).

11.2.3.3 Major in Biology (Ecology and Conservation)

All students majoring in Biology (Ecology and Conservation) are required to complete a minimum of 45 credit hours in courses from the Department of Biology offering. Those 45 credit hours must include:

Biology 1001 and 1002 or their equivalents; the 15 credit hours in core courses listed below; Biology 4650 and 4651; 6 credit hours from the recommended Biology courses for Biology (Ecology and Conservation) listed below; and 12 credit hours from Biology electives at the 2000, 3000 or 4000 level except Biology 2040, 2041, 2120, 3053, and 3820.
Department of Biology (cont’d)

Biology Core (15 credit hours): Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404.

Recommended Biology courses for Biology (Ecology and Conservation) are 3041, 3050, 3295, 3300, 3610, 3620, 3640, 3709, 3710, 3711, 3714, 3715, 3750, 4040, 4141, 4180, 4182, 4250, 4306, 4307, 4360, 4405, 4505, 4605, 4607, 4620, 4630, 4701, 4710, 4750, and 4820.

A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar. All majors must also successfully complete the following courses or their equivalents:

1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011, 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440, 2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Extra Science courses as necessary to fulfill the requirement for 78 credit hours in Science as stipulated in Clause 3.a. of the Regulations for the General Degree of Bachelor of Science.

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science 1000 or 1600.

Note: To minimize timetabling problems, students on the St. John's campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and 2060 and 2900 in their fourth semester (Winter).”

Page 472, 2018-2019 Calendar, under the heading 11.2.4 Honours Degrees, amend the section as follows:

“11.2.4 Honours Degrees
The attention of students wishing to take Honours is called to those sections of the Calendar dealing with Regulations for the Degree of Bachelor of Science (Honours).

Sixty-nine credit hours in courses, including the 6 first year credit hours and the 15 required core credit hours outlined in the regulations for the General Degree, and the Honours Dissertation (Biology 499A/499B), shall be taken from the Department of Biology offering. Students may elect to complete an Honours Program in Biology or in one of the joint
Department of Biology (cont’d)

Honours Programs listed under the heading "Programs in Biology". Programs of students taking Honours shall be drawn up in consultation with the student's supervisor, and must be approved by the Head of the Department (or his/her delegate) in accordance with Admission and Registration, clause 2. of the Regulations for the Honours Degree of Bachelor of Science.

Note: Some Graduate Courses may be taken in the final year of the Honours Program with the permission of the Head of the Department and the course instructor.

A dissertation (6 credit hours) is to be presented on some original piece of work undertaken by the candidate, under the guidance of a faculty member of the department, as appointed by the Head of Department. For students electing to take one of the Joint Honours Programs, the dissertation shall be on a topic representative of the selected program. The Department of Biology considers the dissertation to be an important part of the Honours Program.

The dissertation will be based on a 6 credit hours course (Biology 499A/499B). It will involve directed reading relevant to the dissertation topic, preparation of a dissertation outline, supervised research, data synthesis and interpretation, and preparation and defence of the dissertation.

Two typed copies of the dissertation, complete with figures and tables, are to be submitted not less than two weeks before the end of lectures in the semester in which the candidate is registered for Biology 499B. These copies must be submitted to the Head of Department, and must have met the prior approval of the candidate's Honours supervisor.

Before the last day for examinations in the semester, the candidate will be examined orally on the contents of the dissertation. The examining committee shall consist of the Head of the Department, or delegate, the candidate's supervisor, and an examiner appointed by the Head of the Department in consultation with the candidate's supervisor.

11.2.5 Honours in Biology

An Honours degree in Biology may comprise a broadly based selection of courses according to the student’s interests, or it may be more narrowly focused. An Honours student may focus on any area of Biology where an appropriate supervisor can be found. All Honours students should choose courses in consultation with their supervisors, but it is particularly important that students wishing to focus within the
Honours degree should discuss course selection with an Honours supervisor within their area of interest.

11.2.5.1 Biology Course Requirements

Students seeking an honours degree in Biology are required to successfully complete a minimum of 69 credit hours in courses from the Department of Biology offering. Those 69 credit hours must include:

1. Biology 1001 and 1002 or their equivalents;
2. 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404; and
3. 42 credit hours from Biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, 3053, and 3820) and Biology 499A and 499B.
4. A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.

11.2.5.2 Core Course Requirements

All honours students must also successfully complete the following courses or their equivalents:

1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011, 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440-2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Electives to make up 120 credit hours

To minimize timetabling problems, students on the St. John’s Campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and Biology 2060 and 2900 in their fourth semester (Winter).

11.2.6 Honours in Cell and Molecular Biology

11.2.6.1 Cell and Molecular Biology Course Requirements

Students seeking an honours degree in Cell and Molecular Biology are required to complete a minimum of 69 credit hours in courses from the Department of Biology offering. Those 69 credit hours must include:

1. Biology 1001 and 1002 or their equivalents;
2. 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404;
3. Biology 3530 and Biology 4241;
Department of Biology (cont’d)

4. 12 credit hours from the following recommended Biology courses for Cell and Molecular Biology:
   Biology 3050, 3052, 3401, 3402, 3500, 3620, 3950, 3951, 4010, 4040, 4050, 4200, 4245, 4250, 4251, 4255, 4404, 4550, 4605, 4607; and
5. 24 credit hours in Biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, 3053, and 3820) and Biology 499A and 499B.
6. A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.

11.2.6.2 Core Course Requirements

All honours students must also successfully complete the following courses or their equivalents:
1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440 2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Electives to make up 120 credit hours

To minimize timetabling problems, students on the St. John’s Campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and Biology 2060 and 2900 in their fourth semester (Winter).

11.2.7 Honours in Ecology and Conservation Biology

11.2.7.1 Ecology and Conservation Biology Course Requirements

Students seeking an honours degree in Ecology and Conservation Biology are required to complete a minimum of 69 credit hours in courses from the Department of Biology offering. Those 69 credit hours must include:
1. Biology 1001 and 1002 or their equivalents;
2. 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404;
3. Biology 4650 and 4651;
4. 12 credit hours from the following recommended biology courses for Ecology and Conservation Biology:
   Biology 3041, 3050, 3295, 3300, 3610, 3620, 3640, 3709, 3710, 3711, 3714, 3715, 3750, 4040, 4141, 4180, 4182, 4250, 4306, 4307, 4360, 4405, 4505, 4605, 4607, 4620, 4630, 4701, 4710, 4750, 4820; and
Department of Biology (cont’d)

5. 24 credit hours in Biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, 3053, and 3820) and Biology 499A and 499B.
6. A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.

11.2.7.2 Core Course Requirements

All honours students must also successfully complete the following courses or their equivalents:

1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011, 1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440, 2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Electives to make up 120 credit hours

To minimize timetabling problems, students on the St. John’s Campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and Biology 2060 and 2900 in their fourth semester (Winter).

11.2.8 Honours in Marine Biology

11.2.8.1 Marine Biology Course Requirements

Students seeking an honours degree in Marine Biology are required to complete a minimum of 69 credit hours in courses from the Department of Biology offering. Those 69 credit hours must include:

1. Biology 1001 and 1002 or their equivalents;
2. 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404;
3. Biology 3710 and 3711;
4. 12 credit hours from the following recommended biology courses for Marine Biology:
   Biology 3014, 3050, 3295, 3620, 3640, 3709, 3712, 3714, 3715, 3951, 4122, 4141, 4182, 4360, 4601, 4605, 4607, 4620, 4630, 4710, 4750, 4810, 4912; and
5. 24 credit hours in Biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, 3053, and 3820) and Biology 499A and 499B.
6. A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.
Department of Biology (cont’d)

11.2.8.2 Core Course Requirements

All honours students must also successfully complete the following courses or their equivalents:
1. English 1090 or the former English 1080 and 1110 (or equivalent)
2. Physics 1020 and 1021 (or equivalent)
3. Mathematics 1000
4. Chemistry 1010 and 1011-1050 and 1051 (or 1200 and 1001, or 1010 and the former 1011), Chemistry 2440-2400 and 2401
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Electives to make up 120 credit hours

To minimize timetabling problems, students on the St. John’s Campus are advised to take Biology 2250 and 2600 in their third semester (Fall), and Biology 2060 and 2900 in their fourth semester (Winter).”

Page 501, 2018-2019 Calendar, under the heading 12.2 Biology, amend the section as follows:

“12.2 Biology

According to the nature of particular courses, the specified number of laboratory hours may consist of some combination of laboratory work, seminars or directed independent study relevant to the practical aspects of the subject matter. Biology courses are designated by BIOL.

2010 Biology of Plants is a study of the structure, function and reproductive biology of plants, with emphasis on the vascular plants, and on their relationship to environment and human activities.
LH: 3
PR: Science 1807; BIOL 1001 and 1002; Chemistry 1010 or 1050 (or 1200 ( or 1010 or the former Chemistry 1000 )

2060 Principles of Cell Biology is a modern view of the biology of eukaryotic cells, organelles and molecules and their interactions in the functioning of living organisms.
CO: Physics 1021 or 1051; Biochemistry 2101 CR: the former BIOL 3060
LH: 3
PR: Physics 1021 or 1051; Biochemistry 2101
PR: Science 1807; BIOL 1001, 1002 and 2250; Chemistry 2440 of 2400

2250 Principles of Genetics is an introduction to Mendelian and molecular genetics. Phenotype and genotype, behaviour of alleles in
Department of Biology (cont’d)

genetic crosses, chromosome theory of inheritance, genetic linkage, molecular biology of DNA, RNA and protein, molecular basis of mutation, recombinant DNA, applications of genetic biotechnology.

CO: Chemistry 2440 or 2400
CR: Biochemistry 2100 the former BIOL 3250 LH: 3
PR: Science 1807; BIOL 1001 and 1002; Chemistry 1010 and 1011 (or 1050/1051) (or 1200 and 1001, or 1010 and the former 1011)
PR: Chemistry 2440 or 2400”

Page 464, 2018-2019 Calendar, under the heading 10.2.11 Biology and Statistics Joint Honours, amend the section as follows:

“10.2.11 Biology and Statistics Joint Honours (B.Sc. Only)
See Regulations for the Honours Degree of Bachelor of Science.
Students shall complete the following requirements:
1. Mathematics 1000 and 1001, Biology 1001 and 1002, English 1090 or the former English 1080 and 1110, Chemistry 1010 and 1011 (or 1050 and 1051) (or 1200 and 1001, or 1010 and the former 1011), Physics 1020 and 1021, or equivalent;
2. Mathematics 2000, 2050, 2051, Statistics 2500, 2501, or 2560, 3520, 3521, 4530, and 4581;
3. 9 further credit hours in Statistics courses (excluding those with second digit 0) including at least 6 credit hours in courses at the 4000 level or higher but not including Statistics 459A/B;
4. Chemistry 2440 (or 2400 and 2401), Biochemistry 2101 and 3106;
5. Biology 2060, 2250, 2600, 2900, one of 3401, 3402, 4245, or 4404. In addition, further Biology courses at the 2000, 3000 or 4000 level must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology but not including Biology 499A or 499B;
6. Either Biology 499A/B or Statistics 459A/B; and
7. A computing course. Computer Science 1510 is recommended.”

4.17 Department of Computer Science

Page 478, 2018-2019 Calendar, under the heading 11.4.7.1 Admission Requirements, amend the section and renumber subsequent sections as follows:

“10.4.7.1 Admission Requirements
In order to be considered for admission to the CIIO, an applicant:
1. must be a declared Computer Science Major;
2. must be registered as a full-time student at the time of application;
Department of Computer Science (cont’d)


4. 3. must have at least 15 credit hours remaining after the internship in order to satisfy degree requirements, 3 of which must be in Computer Science; and

5. 4. is expected to return to University as a full-time student after the internship.

In addition to meeting the above, applicants are admission is also subject to academic performance.

10.4.7.4 Expectation of Work
Within two weeks of starting the internship, students are required to submit a list of their internship objectives to Co-operative Education. They are also required to submit a report to Co-operative Education due the last day of classes of each semester in which they are working. A progress report is required in semesters where the internship is continuing into the next semester. The progress report need only discuss the activities in that particular semester. A final report is required in the student’s final internship semester. The final report must discuss the entire internship. Both reports will include a description of the student’s internship projects and activities as well as the student’s internship objectives and accomplishments. A completed Employer Evaluation Form should be submitted to Co-operative Education at the end of each semester.

10.4.7.5 10.4.7.4 Registration, Assessment of Performance, and Assignment of Grades:
Students must register for the course Computer Science 3700 every semester during their internship.

Computer Science 3700 is a non-credit course open only to students who have been accepted into the Internship Program.

During the internship, the employer and intern will complete student performance evaluations every four months and will submit them to Co-operative Education. The final assessment of total work performed is the responsibility of Co-operative Education, and will be based upon both input from the employer and the intern’s final internship report(s).

The Internship evaluation shall consist of two components:
1. On-the-job Student Performance: Job performance shall be assessed by Co-operative Education in consultation with the Department using information gathered during the internship and input from the employer. Evaluation of the on-the-job student performance
Department of Computer Science (cont’d)

will result in one of the following classifications: PASS WITH DISTINCTION, PASS, FAIL.

2. The Final Internship Report(s): Evaluation of the final internship report(s) will result in one of the following classifications: PASS WITH DISTINCTION, PASS, FAIL.

The evaluation of the on-the-job student performance and the final internship report(s) are recorded separately on the transcript.

Overall evaluation of the internship will result in one of the following final grades being awarded:

1. PASS WITH DISTINCTION: indicates outstanding performance in both the final internship report(s) and the on-the-job student performance. PASS WITH DISTINCTION has been awarded to each of the final internship report(s) and the on-the-job student performance.
2. PASS: indicates that performance meets expectations in both the final internship report(s) and on-the-job student performance. The student meets the requirements of a passing mark in the final internship report(s) and on-the-job student performance.
3. FAIL: indicates failing performance in either the final internship report(s) or on-the-job student performance or both.

Also, the following will be noted in the transcript of the intern:

1. Requirements for the Computer Industry Internship Option have been completed. Internship Duration: - months.
2. A grade of NC (No Credit) for Computer Science 3700 will be awarded in all semesters of the Internship Option prior to the final Semester.”

Page 508, 2018-2019 Calendar, under the heading 12.4.2 Second Year Courses, amend the section as follows:

“2718 Development Tools, Work Flows and Concepts covers tools, work flows and concepts used in software development in a concentrated introductory set of topics. The essential work flows (with their underlying concepts) used to edit, build, test, combine with existing software and find existing software are introduced. The tools covered include text editors, programming language translators, file management tools, debuggers, scripting tools, source control tools, and building, testing and deployment tools. The architecture and use of an Integrated Development Environment are discussed.
LH: 3
PR: COMP 2001 or COMP 2500 or COMP 2510 or COMP 2710

2002 Data Structures and Algorithms covers fundamental data structures, algorithm design techniques. A problem-driven course, it
Department of Computer Science (cont’d)

focuses on computational problem solving from designing an efficient algorithm to implementing it using appropriate data structures.
CR: COMP 2711
LH: 3
PR: COMP 1001, **and** COMP 1002 or Mathematics 2320

**2003 Computer Architecture** introduces computer architecture at the digital logic implementation level, at the instruction set level, and at the level where programming languages are translated into the underlying machine instructions.
CR: COMP 3724
LH: 3
PR: COMP 1001, **and** COMP 1002 or Mathematics 2320

**3754 Introduction to Information and Intelligent Systems** introduces students to application areas that are away from usual number-based and text-based processing. Students will learn the basic concepts and become aware of the historical developments and social and ethical issues related to the application areas such as intelligent systems and information management. This exposure will help students to become knowledgeable about managing large volumes of data and dealing with problems that are well defined but whose algorithmic solutions are not feasible or problems that are fuzzily defined.
CR: COMP 2007
LH: 3
PR: COMP 2711 or COMP 2002, and COMP 2742 or COMP 1002 or Mathematics 2320

Page 143, 2018-2019 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the section as follows:

“**8814 Computer Vision** (same as Computer Science 4301) studies how to develop methods that enable a machine to "understand" or analyze images. The course introduces the fundamental problems in computer vision and the state-of-the-art approaches that address them. Topics include feature detection and matching, geometric and multi-view vision, structure from X, segmentation, object tracking and visual recognition.
CR: Computer Science 4301
PR: ENGI 7854 or Computer Science 3301 or permission of the instructor
LH: Six 3-hour sessions per semester”

Page 510, 2018-2019 Calendar, under the heading 12.4.4 Fourth Year Courses, amend the section as follows:


4301 Computer Vision (same as Engineering 8814) studies how to develop methods that enable a machine to "understand" or analyze images. The course introduces the fundamental problems in computer vision and the state-of-the-art approaches that address them. Topics include feature detection and matching, geometric and multi-view vision, structure from X, segmentation, object tracking and visual recognition.

CR: Engineering 8814
PR: COMP 3301 or Engineering 7854 or permission of the instructor
LH: Six 3-hour sessions per semester”

5. Report of the Academic Council of the School of Graduate Studies

5.1 Master of Occupational Health and Safety Program

As approved at the March 13, 2018, meeting of Senate, amend section 21.4 Courses as follows:

“21.4 Courses
A selection of the following graduate courses will be offered to meet the requirements of candidates as far as the resources of the program will allow:

Required Courses
OHS 6000 600A/B: Research Seminar in OHS (in development)
OHS 6001: Supervised Capstone Research Paper”

6. Senate Committee on Elections and Committees

6.1 Report of the Senate Committee on Elections and Committees, Senate Elections

The Committee on Elections and Committees has elected/re-elected the following people to the Senate for a term of office commencing September 1, 2018, and expiring August 31, 2021:

**CONSTITUENCY**

<table>
<thead>
<tr>
<th>CONSTITUENCY</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGINEERING AND APPLIED SCIENCE</td>
<td>Professor Andrew Fisher</td>
</tr>
<tr>
<td></td>
<td>Dr. Glyn George</td>
</tr>
<tr>
<td>GRENFELL CAMPUS - FINE ARTS</td>
<td>1 vacancy</td>
</tr>
</tbody>
</table>
In the thirteen constituencies where vacancies existed, the first call resulted in nine nominations. An extension of the deadline resulted in three additional nominations. A second extension of the deadline resulted in three more additional nominations. While fifteen of the twenty-two seats have now been filled, seven vacancies remain as noted above. The Committee on Senate Elections and Committees recommends that these vacancies stand until there is a call for a by-election from eligible voters or until the next cycle of Senate elections whichever occurs earlier.
6.2 Names for Membership on Senate Standing Committees (Information Only)

The Committee on Senate Elections and Committees approved the following membership on Senate Standing Committees for a term commencing September 1, 2018, and expiring August 31, 2021:

**Academic Unit Planning Committee**  
Aziz Rahman (Engineering)  
Victor Maddalena (Medicine)

**Committee on Academic Appeals**  
Gerard Farrell (Medicine)

**Committee on Course Evaluation**  
Valerie Burton (History)  
Jennifer Connor (Medicine)  
Bonnie White (Grenfell Campus)  
Carlos Bazan (Engineering)

**Committee on Elections and Committees**  
Aziz Rahman (Engineering)

**Committee on Honorary Degrees and Ceremonial**  
Peggy Coady (Business)  
Martin Mulligan (Biochemistry)  
Bert Riggs (Retired & Sessional Instructor in English)  
Kirby Shannahan (Business)  
Craig Purchase (Biology)  
Jan Buley (Education)  
Jennifer Lokash (English)

**Committee on Research**  
Kara Arnold (Business)  
Darron Kelly (Education)  
Maisam Najafizada (Medicine)  
Nancy Pedri (English)  
Arthur Sullivan (Philosophy)  
Benjamin Zendel (Medicine)

**Committee on Undergraduate Studies**  
Martin Mulligan (Biochemistry)  
Kathryn Rose (Library)

**Committee on Undergraduate Scholarships, Bursaries and Awards**  
Valerie Burton (History)
Names for Membership on Senate Standing Committees (Information Only) (cont’d)

**University Planning and Budget Committee**

Carlos Bazan (Engineering)

**ad hoc Committees**

Carlos Bazan (Engineering)
Darron Kelly (Education)
Jan Buley (Education)
Victor Maddalena (Medicine)

**Executive Committee of Senate**

Cyr Couturier (Marine Institute)
Emmanuel Haven (Business)

The following seats are vacant on Senate Standing Committees:

- Academic Unit Planning Committee 1
- Committee on Elections and Committees 2
- Committee on Undergraduate Studies 1
- University Planning and Budget Committee 1

**REGULAR AGENDA**

7. **Report of the Academic Council of the School of Graduate Studies**

7.1 **Economics**

It was moved by Dr. Surprenant, seconded by Dr. Simpson, and carried that on page 576, 2018-2019 Calendar, under the heading **8.8.3 Courses**, amend the section as follows:

**“8.8.3 Courses**
The following courses will be offered to meet the requirements of candidates, as far as resources of the Department will allow.

**Core Courses**

- 6000 Advanced Micro-economic Theory
- 6001 Advanced Macro-economic Theory
- 6002 Econometrics
- 6009 Graduate Seminar (2 credit hours)

**Elective Courses**

- 6010 Taxation
- 6011 Expenditure
- 6012 Cost-benefit Analysis
8. Centre for the Study of Aging

A memorandum dated July 25, 2018, was received from Mr. Paul Chancey, Secretary, Planning and Budget Committee, advising that they considered a proposal from Grenfell Campus for the creation of a Centre for the Study of Aging at its May 18, 2018, meeting. In accordance with the Policy to Establish Institutes and Centres, PBC is pleased to recommend that Senate approve the establishment of the centre. The proposal has been deemed to meet the general requirements of the policy in that it indicates that the resources required for the establishment of the centre are in place. The PBC does note that the proponents have indicated that this is a pilot project and institutional resources have been committed for three years. An assessment of the project will be conducted at the end of the three years to determine if it will continue beyond that time.

The President invited Dr. Jeff Keshen, Vice-President, Grenfell Campus, to present this item. Dr. Keshen passed it over to Dr. Kelly Vodden, Associate Vice-President (Grenfell Campus) Research and Graduate Studies to present.

Dr. Vodden noted that they are very excited for the new Centre as we have an aging Province. They are proposing a pilot project and institutional resources have been committed for three years. An assessment of the project will be conducted at the end of the three years to determine if it will continue beyond that time.

In order for this project to be a success, many stakeholders will have to be involved, each bring strengths and contributions to the Centre to
Centre for the Study of Aging (cont’d)

achieve this common goal. The proposal outlines the plan and the resources in place to establish such a Centre for a trial period of two and half years. This confirms Grenfell’s full commitment and contributions to this initiative.

Grenfell Campus is prepared to support this important provincial initiative with the following commitments:

- Cash contribution of $150,000 over a 3-year period
- Office space, meeting space, and boardroom space for the Program Coordinator, Director of the Centre and Research Chair (as required)
- 30% salary of Grenfell’s Counselling and Psychological Services faculty member, as a part-time Director to oversee and provide direction to the Centre and its coordinator
- 25% of the CRC’s salary and time dedicated to undertaking and overseeing research on aging-related issues, facilitating participation of researchers from within the Memorial University community in the Centre’s activities and advising the Director on research strategy
- Support of the Research Office (administration support, grant facilitation, etc.), Office of Engagement (community consultation and outreach), and Department of Marketing and Communications (promotion of events and accomplishments)
- We feel that this commitment of resources, along with the other resources outlined in the proposal, will provide the support and environment needed to see this Centre reach its full potential of serving all stakeholders in aging-related research and knowledge sharing, and the people of our province.

It was moved by Dr. Keshen, seconded by Dr. Hardy Cox, and carried that this proposal be approved for recommendation to the Board of Regents for final approval.

9. Constitution of the Academic Council, School of Pharmacy

A proposal was received from the School of Pharmacy proposing amendments to its Constitution and Bylaws which were approved by the Academic Council of the School of Pharmacy on May 30, 2018.

It was moved by Dr. Bugden, seconded by Dr. Gaudine, and carried that the proposed amendments to the Constitution and Bylaws of the School of Pharmacy be approved for submission to the Board of Regents.
10. Any other business

10.1 Chair’s Report

10.1.1 Budget and Pension Update

The President invited Mr. Kent Decker, Vice-President (Administration and Finance), to give a Budget and Pension update.

Mr. Decker gave a slide presentation on the Budget and Pension.

10.1.2 Post-Secondary Education Review

The President invited Ms. Paula Dyke, Associate Director, Communications, Marketing & Communications, to present the Post-Secondary Education Review.


The President then opened the floor to Senators for any questions and comments regarding the Budget and Pension and the Post-Secondary Education Review.

11. ADJOURNMENT

The meeting adjourned at 4:50 p.m.

CHAIRMAN  SECRETARY