

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on February 8, 2011 at 4:00 p.m. in Room E5004, Education Building.

53. PRESENT

Dr. E. Simpson (Acting Chair), Dr. H. Pike, Dr. M. Abrahams, Mr. B. Belbin, Dr. P. Fisher (for Mr. G. Blackwood), Ms. L. Busby, Dr. A. Card, Dr. A. Collins, Mr. G. Collins, Dr. N. Golfman, Ms. K. Kennedy, Dr. J. McFetridge-Durdle, Dr. N. Roy, Dr. R. Shea, Dr. E. Waterman, Professor M. Beaton, Professor D. Carroll, Dr. J. Connor, Dr. S. Corbin-Dwyer, Dr. A. Fiech, Dr. D. Foster, Dr. K. Gallagher, Dr. S. Ghazala, Dr. G. George, Dr. P. Marino, Dr. D. McKay, Dr. W. Okshevsky, Dr. D. Peters, Mr. B. Riggs, Professor G. Riser, Dr. A. Rose, Dr. W. Schipper, Dr. P. Trnka, Dr. E. Warkentin, Dr. M. Wernerheim, Mr. S. Despres, Mr. N. Hartmann, Mr. B. Evoy, Mr. G. Furey, Mr. R. Leamon, Ms. M. McCarthy, Ms. J. McCormick, Mr. M. Walsh, Mr. C. Wass.

Dr. Simpson advised Senators that since Dr. Kachanoski had another committment, he would be Chairing Senate today. Dr. Simpson welcomed Dr. David Wardlaw, the new Vice-President (Academic) and Pro-Vice Chancellor designate, to Senate as an observer noting that Dr. Wardlaw's appointment will begin on August 1, 2011 and that Dr. Wardlaw will remain in the room for a few minutes following the Senate meeting to meet informally with Senators.

54. APOLOGIES FOR ABSENCE

Apologies were received from The President, Dr. C. Loomis, Dr. A. Al-Krenawi, Dr. L. Hensman, Dr. J. Rourke, Dr. F. Balisch, Dr. J. Brunton, Dr. J.J. Connor, Mr. C. Couturier, Dr. R. Helleur, Dr. D. Kelly, Professor V. Kuester, Dr. A. Muhammad, Ms. A. Hightway.

55. MINUTES

It was moved by Dr. Foster, seconded by Dr. McKay and carried that the Minutes of the regular meeting held on January 11, 2011 be taken as read and confirmed.

56. APPROVAL OF AGENDA

At the request of Mr. Despres and with agreement from Senate, consent agenda items 2.C. and 2.I.(a) were moved from the consent agenda to the regular agenda.

CONSENT AGENDA

It was moved by Mr. Riggs, seconded by Dr. Golfman, and carried that the consent agenda, comprising the items listed in 57 and 58 below, be approved as follows:

57. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

57.1 Faculty of Engineering and Applied Science

Page 243, 2010-2011 Calendar, under the heading 9.4 Academic Term 4 Courses, amend Engineering 4854 to read as follows:

“4854 Electronic Circuits I provides an introduction to semiconductor electronic devices and circuits. Topics covered include internal structure of electronic devices; working principles, dc and small-signal models and analysis of p-n junction diodes, bipolar junction transistors and field effect transistors; introduction to digital electronics; differential and multistage amplifier circuits; internal circuits of operational amplifiers; output stages; practical applications of the devices to the design of power supplies, amplifiers and switching circuits. CAD tools are used to illustrate the analysis and design of electronic circuits.

LH: at least ten 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 3821, Physics 3000”

Page 244, 2010-2011 Calendar, under the heading 9.5 Academic Term 5 Courses, amend Engineering 5854 to read as follows:

“5854 Electronic Circuits II provides an introduction to circuits using operational amplifiers. Topics covered include operational amplifier configurations, analysis, and design; transient and frequency response of amplifier circuits; feedback amplifier analysis and design, stability and compensation techniques; noise and distortion in electronic circuits; analysis and design of data converters; and an introduction to analog filter design. CAD tools are used to illustrate the analysis and design of electronic circuits.

LH: at least five 3-hour sessions per semester

PR: ENGI 4823, ENGI 4854”

Page 249, 2010-2011 Calendar, under the heading 9.8 Academic Term 8 Courses, change a special topics course, Engineering 8804, to a regular course offering, Engineering 8877, as follows:

“8877 Wireless and Mobile Communications covers the fundamentals and main concepts of wireless and mobile communication systems focusing on the system level design and performance. Main topics to be covered include Introduction to Wireless Communication Systems, Wireless Channel Models, Frequency Reuse Concept, Wireless Multiple Access Techniques (TDMA, FDMA, CDMA), Orthogonal Frequency Division Multiplexing (OFDM), Wireless Systems (GSM, 3G, LTE, etc.).

CR: ENGI 8804

PR: ENGI 6871, ENGI 6876”

Page 249, 2010-2011 Calendar, under the heading 9.8 Academic Term 8 Courses, restore and extend a block of special topics courses as follows:

“8090-8099 Special Topics in Ocean and Naval Architectural Engineering”

Faculty of Engineering and Applied Science (cont'd)

Page 249, 2010-2011 Calendar, under the heading 9.8 Academic Term 8 Courses, restore and revise the title for special topics courses Engineering 8601-8610 as follows:

“8601-8610 Special topics in Process Engineering”

Page 249, 2010-2011 Calendar, under the heading 9.8 Academic Term 8 Courses, restore the following four blocks of special topics courses that were unintentionally removed from the University Calendar when the new Engineering program was approved in 2007 (these particular four blocks of special topics courses were previously approved by Senate):

“8790-8799 Special Topics in Civil Engineering

8801-8805 Special Topics in Computer Engineering

8806-8809 Special Topics in Electrical Engineering

8970-8979 Special Topics in Mechanical Engineering”

Page 230, 2010-2011 Calendar, under the heading 5.1.1 Civil Engineering Major - General Option, in Table 1 Civil Engineering Major - General Option, for “Spring Academic Term 7”, under “Electives Courses”, amend the block to read as follows:

“3 credit hours from: ENGI 7706, 7707, 7716, 7723, other courses as specified by the Discipline Chair”

Page 230, 2010-2011 Calendar, under the heading 5.1.1 Civil Engineering Major - General Option, in Table 1 Civil Engineering Major - General Option, for “Winter Academic Term 8”, under “Electives Courses”, amend the block to read as follows:

“Complementary Studies Elective
6 credit hours from: ENGI 8705, 8708, 8713, 8717, other courses as specified by the Discipline Chair”

Page 238, 2010-2011 Calendar, under the heading 5.5.1 Ocean and Naval Architectural Engineering Major, in Table 9 Ocean and Naval Architectural Engineering Major, for “Spring Academic Term 7”, under “Electives Courses”, amend the block to read as follows:

“ENGI 7045, other courses as specified by the Discipline Chair
Focus Stream Elective *”

Page 238, 2010-2011 Calendar, under the heading 5.5.1 Ocean and Naval Architectural Engineering Major, in Table 9 Ocean and Naval Architectural Engineering Major, for “Winter Academic Term 8”, under “Electives Courses”, amend the block to read as follows:

“Complementary Studies Elective
ENGI 8058, other courses as specified by the Discipline Chair
Focus Stream Elective *”

Faculty of Engineering and Applied Science (cont'd)

Page 243, 2010-2011 Calendar, under the heading 9.4 Academic Term 4 Courses, in Engineering 4430, amend the Credit Hours (CH) and the Lecture Hours (LC) to read as follows:

“CH: 3
LC: 3”

57.2 Fisheries and Marine Institute

Page 261, 2010-2011 Calendar, under the heading 8 Course Descriptions, insert the following new courses:

“4011 Introduction to Intellectual Property and its Management is an introductory course to the management of Intellectual Property Rights (IPRs). This course will cover the philosophical rationale for intellectual property rights, its technical and legal considerations, its implications to the development of science and technology and its economic impact in society.
PR: Admission to the Bachelor of Technology or the Bachelor of Maritime Studies program.

4012 Occupational Health and Safety Legislation and Management is an introduction to occupational health and safety issues in a technical/industrial context. Students will gain a knowledge and understanding of the legislative framework surrounding occupational health and safety, the assignment of responsibilities in the workplace, the management of occupational health and safety in the workplace and the importance of establishing a positive safety culture.

PR: Admission to the Bachelor of Technology or the Bachelor of Maritime Studies program.

4013 Structure and Functions of Technology-based Organizations focuses on the emergence of technology-based companies with an emphasis on how we can implement methods to increase their organizational effectiveness. This course will concentrate on the integration of three basic frameworks that are integral to production and performance in the 21st century. It will introduce students to the concepts and processes materializing in a technological milieu. This course also deals with the study of technological economics, organizational progression, structural configurations and operations, and universal and contemporary approaches to organizational design. In addition it will examine the challenges of change that face highly dynamic industries: individual & organizational change, technological change, and national & global change. MSTM 4013 will also examine specialized topics in structure evolution for technology-based organizations with an emphasis on the need for adaptability, innovation & global communications.

PR: Admission to the Bachelor of Technology or the Bachelor of Maritime Studies program.”

Page, 259, 2010-2011 Calendar, under the heading 5.1 Bachelor of Maritime Studies, make the following changes under Table 1 Bachelor of Maritime Studies - Course Requirements for All Students:

“Remove BUSI 3310 from the Required Course list.

Fisheries and Marine Institute (cont'd)

Move MSTM 4040 from Group A Electives list to Required Course list.

Add MSTM 4011, MSTM 4012, and MSTM 4013 to Group A Electives list.

Add BUSI 1101 as an alternative to BUSI 2102 to read “BUSI 1101 or BUSI 2102”

Remove BUSI 1210, BUSI 4320, BUSI 4330, BUSI 5301, BUSI 5302 and BUSI 6320 from the Group A Electives list.”

Page 260, 2010-2011 Calendar, under the heading 5.2.1 Bachelor of Technology - Engineering and Applied Science Technology Option, in the sentence, “Students must take...from the electives” change 24 credit hours to “21” and 15 credit hours to “18.”

Page 260, 2010-2011 Calendar, under the heading 5.2.1 Bachelor of Technology - Engineering and Applied Science Technology Option, make the following changes under Table 3 Bachelor of Technology - Engineering and Applied Science Technology Option:

“Move BUSI 1000 from the Required Course list to the Group A Electives list.

Remove BUSI 3310 from the Required Course list.

Move MSTM 4040 from Group A Electives list to Required Course list.

Add MSTM 4011, MSTM 4012, and MSTM 4013 to Group A Electives list.

Add BUSI 1101 as an alternative to BUSI 2102 to read “BUSI 1101 or BUSI 2102”

Remove “Sociology 4206” (no longer listed in the Calendar) from Group B Electives list.

Remove BUSI 1210, BUSI 1600, BUSI 3700, BUSI 4320 or Psychology 3501, BUSI 4330, and BUSI 6320 from the Group A Electives list.”

Page 260, 2010-2011 Calendar, under the heading 5.2.2 Bachelor of Technology - Health Science Technology Option, in the sentence, “Students must take...hours from electives” change 18 credit hours to “15” and 21 credit hours to “24”.

Page 260, 2010-2011 Calendar, under the heading 5.2.2 Bachelor of Technology - Health Science Technology Option, make the following changes under Table 4 Bachelor of Technology - Health Science Technology Option:

“Move BUSI 1000 from the Required Course list to the Group A Electives list.

Remove BUSI 3310 from the Required Course list.

Move MSTM 4040 from Group A Electives list to Required Course list.

Fisheries and Marine Institute (cont'd)

Add MSTM 4011, MSTM 4012, and MSTM 4013 to Group A Electives list.

Add BUSI 1101 as an alternative to BUSI 2102 to read “BUSI 1101 or BUSI 2102.”

Remove “Sociology 4206” (no longer listed in the Calendar) from Group B Electives list.

Remove BUSI 1210, BUSI 1600, BUSI 3700, BUSI 4320 or Psychology 3501, BUSI 4330 and BUSI 6320 from Group A Electives list.”

57.3 School of Social Work

Page 483, 2010-2011 Calendar, under the heading 2 School Description, delete the sentence, “The program is...of seven years” and replace with “The program is currently accredited to 2014.”

Page 483, 2010-2011 Calendar, under the heading 3.1 Bachelor of Social Work, delete the last paragraph, “Students formally admitted...available after April 30, 2011.”

Page 484, 2010-2011 Calendar, under the heading 3.2 Diploma in Social Work, amend the paragraph to read as follows:

“Pending availability of resources, a program leading to the Diploma in Social Work may be designed for groups of students with particular needs. This program is only offered to cohorts and not individual students. Admission of individual students to a diploma program is competitive and selective. Information about diploma programs can be obtained by contacting the Director of the School of Social Work.”

Page 484, 2010-2011 Calendar, under the heading 4.2 Application Forms and Deadlines, under clause 1, amend the second sentence to read, “The Bachelor of Social Work as a Second Degree program will normally commence in the Winter semester.”

Page 485, 2010-2011 Calendar, under the heading 4.3.1 First Degree Program, amend the first sentence to read as follows:

“To be considered for admission to the Bachelor of Social Work program, applicants must have completed the 30 credit hours outlined below by the end of the Winter semester for the year in which admission is being sought and must achieve an overall average of at least 65% in these courses and a grade of at least 65% in social work courses.” Under the same heading, delete “(or the former 2700)” next to Social Work 1710.

Page 485, 2010-2011 Calendar, under the heading 4.3.2 Second Degree Program, amend clause 1 to read as follows:

“1. To be considered for admission to the Bachelor of Social Work as a Second Degree, individuals must have:

- been awarded a Bachelor’s Degree, or approved (by the end of the Winter semester preceding the academic year in which admission is

School of Social Work (cont'd)

- being sought) for the award of a Bachelor's Degree from a university recognized by Memorial University of Newfoundland;
- achieved a minimum average of at least 70% in the last 60 credit hours of undergraduate study attempted by the end of the Winter semester preceding the academic year in which admission is being sought and for which a numeric grade has been assigned;
 - completed the 30 credit hours outlined below by the end of the Winter semester preceding the academic year in which admission is being sought and achieved an overall average of at least 70% in these courses and a grade of at least 65% in social work courses. These courses and credits must have been taken at Memorial University of Newfoundland or accepted for transfer credit from a recognized university or university college. The 30 credit hours are:
 - Social Work 1710
 - Six credit hours in English
 - Psychology 2010 and 2011 or (2025 and three credit hours in Psychology at the 2000 level or above)
 - Six credit hours in Sociology of which 3 must be at the 2000 level or above
 - Nine credit hours at the 2000 level or above selected from the following: Anthropology, Economics, Folklore, Geography, History, Linguistics, Philosophy, Political Science, Psychology, Sociology and/or Women's Studies (1000 level will be acceptable for Women's Studies only).
 - completed 300 hours of verified formal work/volunteer experience in human services"

Page 485, 2010-2011 Calendar, under the heading 4.3.2 Second Degree Program, insert new clause 4 to read as follows:

"4. Successful candidates completing courses during the Spring and/or Fall semester(s) that precede the program commencement semester will be required to meet the **Academic Requirements and Promotion Regulations** of the School of Social Work."

Page 485, 2010-2011 Calendar, under the heading 4.3.3 Acceptance Procedures for Admission, amend clauses 1 and 2 to read as follows:

"1. Applicants for the First Degree program will normally be notified of admission decisions by early June. Approved applicants for this program option will be admitted in Fall semester only.

2. Applicants for the Second Degree program will normally be notified of admission decisions by early June. Approved applicants for this program option will normally be admitted in the Winter semester only."

Page 486, 2010-2011 Calendar, under Table 1 Bachelor of Social Work (as a First Degree), under Required Courses for Year 3 Winter, insert Sociology 2250, 2270 to read as follows: "One of Sociology 2250, 2270, 3318, 3290 or 3100."

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Page 487, 2010-2011 Calendar, under Table 2 Bachelor of Social Work (as a Second Degree) make the following changes:

“Remove “Social Work 2321” and add “Social Work 4410” under Year 1 Semester 1, Required Courses.

Remove “Social Work 4410” and add “Social Work 2321” under Year 1 Semester 2, Required Courses.”

Page 489, 2010-2011 Calendar, under the heading 10 Course Descriptions, make the following changes:

For Social Work courses 1710, 2211, 2320 and 2321, delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 2520, amend the prerequisites to read “PR: SCWK 2211, 2320 and 2711 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 2711 and 3221, delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 3300, amend the prerequisites to read “PR: successful completion of all designated Year 2 courses for the first degree program option; or admission to the second degree program option and successful completion of SCWK 2321, 3720, 4312, 4313, and 4314.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 3311, amend the prerequisite to read “PR: successful completion of all designated Year 2 courses for the first degree program option; or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 3521, amend the co-requisite to read “CO: SCWK 3221 and 3720; or SCWK 4302.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 3720, amend the co-requisite to read “CO: SCWK 3221 and 3521; or SCWK 2321, 4312, 4313, and 4314.” Amend the prerequisite to read “SCWK 3300 and 3311 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

Delete Social Work course “4300 Social Work Internship I.”

For Social Work 4302, amend the co-requisite to read “CO: either SCWK 4323, 4321 or 4322; or one of SCWK 4820 - 4829; or SCWK 3521.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

School of Social Work (cont'd)

Delete Social Work course “4311 Social Work Practice: Counselling and Case Management with Individuals and Families in a Community Context.”

For Social Work 4312, amend the co-requisite to read “CO: SCWK 4313, 4314 and 4410; or SCWK 2321, 3720, 4313 and 4314.” Amend the prerequisite to read “PR: SCWK 3221, 3521, and 3720 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 4313, amend the co-requisite to read “CO: SCWK 4312, 4314 and 4410; or SCWK 2321, 3720, 4312 and 4314.” Amend the prerequisite to read “PR: SCWK 3221, 3521 and 3720 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 4314, amend the co-requisite to read “CO: SCWK 4312, 4313 and 4410; or SCWK 2321, 3720, 4312 and 4313.” Amend the prerequisite to read “PR: SCWK 3221, 3521 and 3720 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 4317, delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

Delete Social Work course “4320 Social Work Practice: Counselling and Case Management with Groups and Communities.”

For Social Work 4321 and 4322, delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 4323, insert prerequisites to read “PR: SCWK 4312, 4313, 4314 and 4410.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

For Social Work 4410, amend the co-requisite to read “CO: SCWK 4312, 4313 and 4314; or SCWK 2211, 2320, 2520, and 2711.” Amend the prerequisite to read “PR: SCWK 3221, 3521 and 3720 or admission to the second degree program option.” Delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

Delete Social Work courses “4421, 4520, 4610, 4612, 4614, 4615, 4616, and 4617.”

For Social Work 4620 and 4820-4829 delete “UL: not applicable to the Bachelor of Social Work program for students admitted prior to Fall 2009”

Delete Social Work courses “5000, 5010, 5020, 5030, 5031, 5112, 5211, 5220-5229, 5300, 5320-5321, 5322, 5323, 5324, 5325, 5326, 5327, 5328, 5329, 5420, 5421-5429, 5520-5521, 5522, 5523, 5524-5529, 5610-5612, 5613, 5614, 5615-5619, 5720, and 5820-5829.”

57.4 School of Human Kinetics and Recreation

Page 269, 2010-2011 Calendar, under the heading 5.2.1 Teaching Option, page 270, under the heading 5.2.2 General Option, page 273, under the

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heading 5.5.1 Teaching Option and page 274, under the heading 5.5.2 General Option, replace bullet 4 “Students following the...faculty or school” with the following:

- “A student must complete 24 credit hours in an acceptable Academic Discipline or Minor. In completing the minor, students must follow the minor program regulations listed under the appropriate faculty or school. Academic Disciplines include the following:

Biochemistry**
Biology**
Chemistry**
Earth Sciences**
Economics
English
French
General Science**
Geography
History
Mathematics (Pure Mathematics, Applied Mathematics, Statistics)
Newfoundland and Labrador Studies
Physics**
Political Science
Religious Studies

**Students who use General Science as an Academic Discipline may use courses from these separate science disciplines in any combination, but must complete a minimum of 12 credit hours in each separate science discipline used.

Notes: 1. No more than six credit hours at the 1000-level may be included in the 24-credit-hour Academic Discipline.

2. At least 3 credit hours at the 3000-level or higher must be included in the 24-credit-hour Academic Discipline.”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, rename HKR courses 3210, 3220, 4210 and 4220 and their course descriptions to read as follows:

“3210 Physical Activities Course: Group Exercise, Net/Wall and Health Related Fitness (formerly PHSD 3210) covers activities such as volleyball, tennis, badminton, plus a selection of other net & wall games. A number of teaching methods may be employed and emphasis will be placed on the language and practice of the conceptual approach. Concepts, skills, and strategies will be emphasized.

AR: attendance is required. Students who are absent more than six class hours may be required to withdraw from the course and will receive a letter grade of DRF and a numeric grade of 0

CR: the former PHSD 3210

LC: as scheduled

LH: as scheduled

PR: HKR 2210

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3220 Physical Activities Course: Summer Outdoor Activities and Target/Striking Activities (formerly PHSD 3220) covers activities such as golf, archery, softball, and track and field. Outdoor activities include canoeing, orienteering, lightweight camping, over-night canoe trip, and introduction to rock climbing. A number of teaching methods may be employed and emphasis will be placed on the language and practice of the conceptual approach. Concepts, skills, and strategies will be emphasized.

AR: attendance is required. Students who are absent more than six class hours may be required to withdraw from the course and will receive a letter grade of DRF and a numeric grade of 0

CR: the former PHSD 3220

LC: as scheduled

LH: as scheduled

PR: HKR 2210, HKR 3210

4210 Physical Activities Course: Winter Outdoor Activities and Leadership (formerly PHSD 4210) includes outdoor activities such as winter travel methods emphasizing cross-country skiing, snowshoeing, navigational skills, winter survival/camping, and overnight winter camping. A number of teaching methods may be employed and emphasis will be placed on the language and practice of the conceptual approach. Concepts, skills, and strategies will be emphasized.

AR: attendance is required. Students who are absent more than six class hours may be required to withdraw from the course and will receive a letter grade of DRF and a numeric grade of 0

CR: the former PHSD 4210

LC: as scheduled

PR: HKR 2210, HKR 3220

4220 Physical Activities Course: Territorial Games (formerly PHSD 4220) includes activities such as soccer and rugby, basketball, ice hockey, water polo, team handball and other territorial games. A number of teaching methods may be employed and emphasis will be placed on the language and practice of the conceptual approach. Concepts, skills, and strategies will be emphasized.

AR: attendance is required. Students who are absent more than six class hours may be required to withdraw from the course and will receive a letter grade of DRF and a numeric grade of 0

CR: the former PHSD 4220

LC: as scheduled

LH: as scheduled

PR: HKR 2210 ”

Page 269, 2010-2011 Calendar, under the heading 5.2.1 Teaching Option, under Table 2 Bachelor of Physical Education (Co-operative) - Teaching Option, make the following changes:

Under Fall Academic Term 1, Required Courses, remove “HKR 1123 and HKR 2100” and under Elective Courses, insert “3 credit hours from Academic Discipline/Minor subject.”

Under Winter Academic Term 2, Required Courses, remove “one of the pair of Mathematics 1050/1051 or 1090/1000 or 1000/ 3 credit hours in a non-HKR elective and Psychology 1000.” Also, under Elective Courses, insert “3 credit hours from Academic Discipline/Minor subject.”

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Rename "Spring Work Term 1" to "Spring." Under Required Courses for Spring, delete "HKR 299W" and replace with "OPEN"

Under Fall Academic Term 3, Required Courses, insert "HKR 1123, Psychology 1000, and remove Psychology 1001." Under Elective Courses, remove "6 credit hours from a minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject." Also, insert "3 credit hours in an HKR elective at the 2000 level or above other than those listed under Required Courses."

Under Winter Academic Term 4, Required Courses, insert "HKR 3320, Psychology 1001 and remove Statistics 2500 or equivalent." Also, under Elective Courses, remove "3 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Rename "Spring Work Term 2" to "Spring Work Term 1" and under Required Courses, remove "HKR 399W" and replace with "HKR 299W."

Under Fall Academic Term 5, Required Courses, remove "or HKR 3220" and under Elective Courses insert "3 credit hours from Academic Discipline/Minor subject."

Rename "Winter Academic Term 6" to "Winter Work Term 2." Under this term for Required Courses, remove "HKR 2004, HKR 3320, HKR 4310" and replace with "HKR 399W." Under Elective Courses, remove "6 credit hours from minor subject."

Rename "Spring Work Term 3" to "Spring Academic Term 6." Under this term for Required Courses, remove "HKR 499W" and replace with "HKR 2004, HKR 3220, HKR 3400, HKR 4220, HKR 4420, HKR 4600."

Rename "Fall Academic Term 7" to "Fall Work Term 3." Under this term for Required Courses, remove "HKR 3220 (if not previously completed) or HKR 4220, HKR 4320, HKR 4420, HKR 4600, First aid and...Academic Student Advisor" and replace with "HKR 499W." Under Elective Courses, remove "3 credit hours from minor subject."

Rename "Winter Academic Term 8" to "Winter Academic Term 7." Under this term for Elective Courses, remove "6 credit hours from minor subject" and replace with "9 credit hours from Academic Discipline/Minor subject."

Page 270, 2010-2011 Calendar, under the heading 5.2.2 General Option, under Table 3 Bachelor of Physical Education (Co-operative) - General Option, make the following changes:

Under Fall Academic Term 1, Required Courses, remove "HKR 1123, HKR 2100" and under Elective Courses insert "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 2, Required Courses, remove "one of the pair of Mathematics 1050/1051 or 1090/1000 or 1000/3 credit hours in a non HKR elective and Psychology 1000." Under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject."

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Rename "Spring Work Term 1" to "Spring." Under this term, Required Courses, remove "HKR 299W" and replace with "OPEN."

Under Fall Academic Term 3, Required Courses, insert "HKR 1123, Psychology 1000" and remove "Psychology 1001." Under Elective Courses, insert "3 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses." Also, remove "6 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 4, Required Courses, insert "HKR 3320, Psychology 1001" and remove "Statistics 2500 or equivalent." Under Elective Courses, remove "3 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Rename "Spring Work Term 2" to "Spring Work Term 1." Under this term, Required Courses, remove "HKR 399W" and replace with "HKR 299W."

Under Fall Academic Term 5, Required Courses, remove "or HKR 3220." Under Elective Courses, insert "6 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses." Also, remove "6 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Rename "Winter Academic Term 6" to "Winter Work Term 2." Under this term, Required Courses, remove "HKR 2004, HKR 3320, HKR 4310" and insert "HKR 399W." Under Elective Courses, remove "6 credit hours from minor subject."

Rename "Spring Work Term 3" to "Spring Academic Term 6." Under this term, Required Courses, remove "HKR 499W" and insert "HKR 2004, HKR 3220, HKR 3400, HKR 4220, HKR 4600, HKR 4420."

Rename "Fall Academic Term 7" to "Fall Work Term 3." Under this term, Required Courses, remove "HKR 3220 (if not previously completed) or HKR 4220, HKR 4320, HKR 4420, HKR 4600, First aid and...Academic Student Advisor" and replace with "HKR 499W." Under Elective Courses, remove "3 credit hours from minor subject."

Rename "Winter Academic Term 8" to "Winter Academic Term 7." Under this term, Elective Courses, remove "3 credit hours from minor subject" and replace with "9 credit hours from Academic Discipline/Minor subject and change "9" credit hours...of these electives to "6."

Page 273, 2010-2011 Calendar, under the heading 5.5.1 Teaching Option, under Table 6 Bachelor of Physical Education - Teaching Option, make the following changes:

Under Fall Academic Term 1, Required Courses, remove "HKR 2100 and 1123" and under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 2, Required Courses, remove "one of the...non-HKR elective" and "Psychology 1000." Under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject."

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After Winter Academic Term 2, insert "Spring" and under Required Courses, insert "OPEN."

Under Fall Academic Term 3, Required Courses, insert "Psychology 1000" and remove "Psychology 1001." Under Elective Courses, insert "3 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses." Also, remove "6 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 4, Required Courses, insert "HKR 3320, Psychology 1001" and remove "Statistics 2500 or equivalent." Under Elective Courses, remove "3 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

After Winter Academic Term 4, insert "Spring Academic Term 5." Under this term, Required Courses, insert "HKR 2004, HKR 3220, HKR 3400, HKR 4220, HKR 4420, HKR 4600."

Rename "Fall Academic Term 5" to "Fall Academic Term 6." Under this term, Required Courses, remove "or HKR 3220." Under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject."

Rename "Winter Academic Term 6" to "Winter Academic Term 7." Under Required Courses, remove "HKR 2004, HKR 3320, HKR 3310" and insert "HKR 4210, First aid and CPR certification, both of which must be current at time of graduation, must be submitted to the School's Academic Student Advisor." Under Elective Courses, remove "6 credit hours from minor subject" and replace with "9 credit hours from Academic Discipline/Minor subject." Also, insert "6 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses (Honours degree candidates must include HKR 4610 in their program in place of one of these electives)."

After Winter Academic Term 7, remove terms "Spring, Fall Academic Term 7, and Winter Academic Term 8."

Page 274, 2010-2011 Calendar, under the heading 5.5.2 General Option, under Table 7 Bachelor of Physical Education - General Option, make the following changes:

Under Fall Academic Term 1, Required Courses, remove "HKR 2100" and under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 2, Required Courses, remove "one of the....non-HKR elective" and "Psychology 1000." Under Elective Courses, insert "3 credit hours from Academic Discipline/Minor subject" and "Students who complete only Mathematics 1000 must include an additional 3 credit hours from a non-HKR course in their program."

After Winter Academic Term 2, insert term "Spring." Under Required Courses, insert "OPEN."

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Under Fall Academic Term 3, Required Courses, insert "Psychology 1000" and remove "Psychology 1001." Under Elective Courses, insert "3 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses." Also remove "6 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Under Winter Academic Term 4, Required Courses, insert "HKR 3320, Psychology 1001" and remove "Statistics 2500 or equivalent." Under Elective Courses, remove "3 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

After Winter Academic Term 4, insert term "Spring Academic Term 5." Under Required Courses, insert "HKR 2004, HKR, 3220, HKR 3400, HKR 4220, HKR 4420, HKR 4600."

Rename "Fall Academic Term 5" to "Fall Academic Term 6." Under Required Courses, remove "or HKR 3220" and under Elective Courses insert "6 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses." Also, remove "6 credit hours from minor subject" and replace with "3 credit hours from Academic Discipline/Minor subject."

Rename "Winter Academic Term 6" to "Winter Academic Term 7." Under this term, Required Courses, remove "HKR 2000, HKR 3320, HKR 4310" and insert "HKR 4210" and "First aid and CPR certification, both of which must be current at time of graduation, must be submitted to the School's Academic Student Advisor." Under Elective Courses, remove "3 credit hours...level or above" and replace with "6 credit hours from HKR courses at the 2000 level or above other than those listed under Required Courses (Honours degree candidates must include HKR 4610 in their program in place of one of these electives)." Also, remove "3 credit hours from minor subject" and replace with "9 credit hours from Academic Discipline/Minor subject."

After Winter Academic Term 7, remove terms "Spring, Fall Academic Term 7, Winter Academic Term 8."

Page 265, 2010-2011 Calendar, under the heading 3.1.3 Recreation Degrees, after the first sentence, "Recreation degrees are...leisure service management" insert "There are two recreation degrees in the School of Human Kinetics and Recreation with community recreation and therapeutic recreation options available within each degree." Insert "In community recreation" before "The students will...delivery, and management." After that sentence, insert "The therapeutic recreation option is designed to provide professional preparation for the practice of therapeutic recreation."

Page 267, 2010-2011 Calendar, under the heading 4.3.1 High School Applicants, remove sentence "Applicants to the...or Transfer Applicants."

Page 267, 2010-2011 Calendar, under the heading 4.3.2 Memorial University of Newfoundland Applicants, remove bullet 2, "To be eligible...15 credit hours." Amend bullet 3 to read, "Overall academic performance is an important criterion in reaching decisions on applications for admission, and

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will be considered, in the selection process.” In bullet 4, insert “non co-operative” before “Bachelor of Recreation” and replace “five years of...” to “two years of...”

Page 267, 2010-2011 Calendar, under the heading 4.3.3 Transfer Applicants, insert new bullet 2 after “Applicants seeking admission...considered for admission” to read, “Transfer applicants to the non-co-operative Bachelor Recreation degree program must have at least two years of relevant work experience, or equivalent, that is deemed acceptable by the Admissions Committee of the School of Human Kinetics & Recreation.”

Page 271, 2010-2011 Calendar, under the heading 5.3 Bachelor of Recreation (Co-operative), remove bullet 4, “Students must choose...faculty or school” and replace with, “A minor is optional in the Bachelor of Recreation (Co-operative) program. Students following the therapeutic recreation option may opt to choose a minor of at least 24 credit hours in Psychology. Students following the community recreation option may opt to choose a minor of at least 24 credit hours in English, Math, or Psychology. In completing the minor, students must follow the minor program regulations listed under the appropriate faculty or school.”

Page 271, 2010-2011 Calendar, under the heading 5.3 Bachelor of Recreation (Co-operative), under Table 4 Bachelor of Recreation (Co-operative), make the following changes:

Under Fall Academic Term 1, Required Courses, remove “Business 1000, 3 credit hours chosen from Mathematics 1000 or 1050 or 1051 or 1090” and insert “HKR 2000, HKR 2515 or HKR 2585.”

Under Winter Academic Term 2, Required Courses, remove “the former Business 1201,” insert “Business 1000,” remove “3 credit hours chosen from Mathematics 1050 or 1051 or 1000” and “one of the pair of Mathematics 1050/1051 or 1090/1000 or 1000/3 credit hours in a non-HKR elective.” Also, insert “HKR 2300, HKR 2505.” Under Elective Courses, remove “Students who complete...in their program” and “3 credit hours...non-HKR courses.”

Under Fall Academic Term 3, Required Courses, remove “HKR 2000, 2310, 2515, 2585, 3525.” Insert “HKR 2311, HKR 2585 or HKR 2515, HKR 3535 or HKR 3575/HKR 3785, Geography 1050, 3 credit hours chosen from Mathematics 1000 or 1050 or 1051 or 1090.” Under Elective Courses, remove “3 credit hours from minor subject” and replace with “3 credit hours in a non-HKR course.”

Under Winter Academic Term 4, Required Courses, insert “3 credit hours chosen from Mathematics 1050 or 1051 or 1000, one of the pair of Mathematics 1050/1051 or 1090/1000 or 1000/3 credit hours in a non-HKR elective, Women Studies 1000, 2000-level Sociology.” Remove “HKR 2300, HKR 2320, HKR 2505.” Amend “HKR 3340” to read “HKR 3340/HKR 3685” and insert “HKR 4555 or HKR 4585.” Under Elective Courses, insert “Students who complete only Mathematics 1000 must include an additional 3 credit hours from a non-HKR course in their program.” Remove “6 credit hours from minor subject” and replace with “3 credit hours in a non-HKR course.”

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Under Fall Academic Term 5, Required Courses, remove “HKR 3535, HKR 3575.” Insert “HKR 3575/3785 or HKR 3535” and remove “HKR 4600.” Under Elective Courses, replace “3” credit hours from HKR courses to “6” credit hours from HKR courses. Remove “3 credit hours from minor subject” and replace with “6 credit hours in non-HKR courses.”

Under Spring Academic Term 6, Required Courses, remove “HKR 4555” and insert “HKR 3400, HKR 4600.” Under Elective Courses, remove “3 credit hours from minor subject.”

Under Winter Academic Term 7, Required Courses, amend “HKR 4575” to read “HKR 4575 or 4685” and amend “HKR 4585” to read “HKR 4585 or HKR 4555.” Under Elective Courses, remove “6 credit hours from minor subject or non-HKR courses” and replace with “6 credit hours in non-HKR courses.”

Page 275, 2010-2011 Calendar, under the heading 5.6 Bachelor of Recreation, insert new bullet 2 after “The full-time and...Credit Hour Requirements” to read “A minor is optional in the Bachelor of Recreation program. Students following the therapeutic recreation option may opt to choose a minor of at least 24 credit hours in Psychology. Students following the community recreation option may opt to choose a minor of at least 24 credit hours in English, Math, or Psychology. In completing the minor, students must follow the minor program regulations listed under the appropriate faculty or school.”

Page 275, 2010-2011 Calendar, under the heading 5.6 Bachelor of Recreation, amend the title of Table 8 to just read “Table 8 Bachelor of Recreation.” Under this table, make the following changes:

Remove “Courses required for Application” and courses underneath “English 1080, English 1110 or equivalent, Mathematics 1050 and 1051, or Mathematics 1090 and 1000, Three credit hours from non-HKR courses.”

Under Required Courses, remove “HKR 2310, 2320” and insert “2311.” Amend “3340” to read “3340 or 3685.” Insert “3400” and remove “3525.” Amend “3575” to read “3575 or 3785” and “4575” to read “4575 or 4685.”

Under Required Courses, insert “English 1080, English 1110 or equivalent.” After Sociology 1000, insert “Second year Sociology.” After Business 1000, remove “the former Business 1201.” Insert “Geography 1050, Women’s Studies 1000, one of the pair of Mathematics 1050/1051 or 1090/1000 or 1000/3 credit hours in a non-HKR elective.” Remove “A minor of...faculty or school.”

Amend the heading “Electives” to read “HKR Electives.” Under this heading change “12” credit hours in HKR courses other than those listed under Required Courses to “15.”

Insert new heading “Non-HKR Electives.” Under this heading, insert “18 credit hours in non-HKR electives. See minor note above.”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, amend HKR 2311 course title to read “**2311 Introduction to Anatomy and**

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Physiology. Amend the UL to read “not applicable towards any of the kinesiology or physical education degrees offered by the school.”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, add “CR: HKR 3685” to the course HKR 3340 and “CR: HKR 3785” to the course HKR 3575.

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, insert the following two new courses:

“3685 Assessment and Documentation in Therapeutic Recreation presents an overview of current practices, philosophies, and issues related to recreation and leisure for persons with disabilities. Knowledge and understanding of various disabling conditions and needs of persons with disabilities from a therapeutic recreation perspective. Students will focus on communication skills necessary to carry out these tasks successfully. This requires the ability to actively listen, document with correct terminology, and interpret data to plan for treatment services.

CR: HKR 3340

PR: HKR 2585

3785 Community Development and Recreation in Therapeutic Recreation Settings introduces various theoretical perspectives on community organization and development, as well as methods available to the therapeutic recreation practitioner to facilitate the development of recreation services in communities. Various issues such as poverty, ethnicity, and disability will be addressed. This course employs an ecological perspective in examining therapeutic recreation service delivery which involves community residents and groups in recreation program decision-making and implementation. The interconnectedness between leisure education, recreation and health and community development is discussed.
CR: HKR 3575”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, for the course HKR 4575, amend the credit restriction to read “CR: the former PHSD 4570; RECR 4575; HKR 4685.”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, amend the course HKR 4685 to read:

“4685 Professional Issues in Therapeutic Recreation is designed to facilitate an in-depth exploration and analysis of philosophical issues and interdisciplinary theories and to discuss how they relate to therapeutic recreation practice and research. The course will be conducted as a seminar and students will be responsible for reading course materials and leading discussions on various topics. The ultimate goal of the course is to prepare the student to enter the profession confident in his/her ability to provide exemplary TR services.

CR: the former PHSD 4570; RECR 4575; HKR 4575

PR: HKR 2585 and HKR 2505”

Page 277, 2010-2011 Calendar, under the heading 10 Course Descriptions, insert the following new course:

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“4785 Internship in Therapeutic Recreation the purpose of this course is to provide the student with an opportunity to develop the skills to become a competent practitioner utilizing the therapeutic recreation process, assessment, treatment planning, implementation/facilitation and evaluation. This practical experience will be carried out under the supervision of an approved Therapeutic Recreation professional. The internship will consist of 14-16 full-time consecutive weeks (35-40 hours per week for a minimum total of 560 hours). This course will normally be taken in the students’ last co-op work term placement or last semester of their degree program.
CR: 299W, 399W, and 499W”

57.5 School of Nursing

Page 338, 2010-2011 Calendar, under the heading 10 Course Descriptions, for NURS 1520, in the prerequisite and co-requisite remove “or 2040”.

Page 338, 2010-2011 Calendar, under the heading 10 Course Descriptions, insert co-requisite “and 1014” for NURS 2004. Also, insert prerequisites “1014, 1017” after NURS 1012.

Page 338, 2010-2011 Calendar, under the heading 10 Course Descriptions, delete courses “NURS 4110 and NURS 4514.”

Page 328, 2010-2011 Calendar, under the heading 4.2 Application Forms and Deadlines, under clause 1, delete the second sentence, “The deadline for...is March 1st” and replace with “The deadline for application to the Bachelor of Nursing (Collaborative) Program, 4 year and Fast-Track 2 year option and Bachelor of Nursing (Collaborative) LPN Bridging Option is March 1st.”

Page 328, 2010-2011 Calendar, under the heading 4.2 Application Forms and Deadlines, delete clause 2 and replace with the following:

“Students applying for admission to Bachelor or Nursing degree programs must submit the appropriate supplementary Application for Admission/Readmission form and supporting documents as specified on the application. The applications for admission to the 4-Year and Fast Track Options of the Bachelor of Nursing (Collaborative) and to the Bachelor of Nursing (Post RN) degree are available online through the University’s Online General Undergraduate Application for Admission/Readmission which can be found at www.mun.ca/become. The Bachelor of Nursing (Collaborative) LPN Bridging Option application for admission is available at www.mun.ca/nursing/undergrad. The Bachelor of Nursing (Post-RN) program application for admission is also available at www.mun.ca/nursing/undergrad/post_rn/forms.php. Application forms are also available from the Office of the Registrar.”

57.6 School of Music

Page 314, 2010-2011 Calendar, under the heading 7.2 Core Program, delete clause 4 and replace with the following:

“One (1) credit hour from Music 3517 or 3518.”

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Page 314, 2010-2011 Calendar, under the heading 7.2 Core Program, delete “Note: Some ensemble...listed ensemble requirements, Ensemble Definitions, Conducted ensembles are...and Music 263A/B, Coached ensembles are...and Music 3518, Designated principal ensembles...of the Director, and The remaining credits...major, as below.”

Page 314, 2010-2011 Calendar, under the heading 7.2 Core Program, insert new clause 5 to read as follows:

“5. 10 credit hours according to principal applied study, as follows:

a. Students whose principal applied study is voice must take:

i. 2 credit hours from Music 2611-2612, plus 6 additional credit hours from Music 2611, 2612, 2616, 2617. Students will be placed in one of these ensemble courses during each semester in which they are enrolled in principal applied study. The assignment will be based on their ensemble audition, the appropriateness of the ensemble for the student’s musical development and program of study, and the need to create balanced ensembles.

ii. Music 2700 and 2701

b. Students whose principal applied study is piano, organ or guitar must take:

i. 2 credit hours from Music 2611-2612, plus 6 additional credit hours from Music 2611-2620. Students will be placed in one of these ensemble courses during each semester in which they are enrolled in principal applied study. The assignment will be based on their ensemble audition, the appropriateness of the ensemble for the student’s musical development and program of study, and the need to create balanced ensembles.

ii. 2 credit hours of music electives chosen from courses beyond the 1000 level.

c. All other students (i.e., those whose principal applied study is percussion or a string or wind instrument) must take 2 credit hours from Music 2611-2612, plus 8 credit hours from Music 2613, 2614, 2615, 2619, 2620. Students will be placed in two of these ensemble courses during each semester in which they are enrolled in Music 140A/B and in one ensemble course during each subsequent semester of principal applied study. Ensemble assignments will be based on their ensemble auditions, the appropriateness of the ensemble for the student’s musical development and program of study, and the need to create balanced ensembles.

The remaining credits for the degree are determined according to the student’s major, as below.”

Page 314, 2010-2011 Calendar, under the heading 7.3 Performance Major, delete clause 3 and replace with the following:

“3. Six credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-3518.”

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Page 314, 2010-2011 Calendar, under the heading 7.3 Performance Major, delete clause 4 and replace with the following:

“4. Twenty-six additional credit hours from music courses beyond the 1000 level, including:

a. At least 12 credit hours chosen from courses beyond the 2000 level in music history and music theory.

b. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

c. A maximum of 9 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4, 7.2.5, and 7.3.3 above.

d. A maximum of three of the following courses may be substituted for music electives: Education 2510, 2520, 2530, 3920, 3925, the former 4835, the former 4845.

Note: *Music Education majors have priority in registering for these courses and spaces may not be available for Performance majors.”*

Page 314, 2010-2011 Calendar, under the heading 7.4 General Musical Studies Major, delete clause 3 and replace with the following:

“3. Three credit hours chosen from Music 2615, 2616, 2617, 265A/B, 3500, 3511-3518, 3571.”

Page 315, 2010-2011 Calendar, under the heading 7.4.1 Option A (With Minor), delete clause 1 and replace with the following:

“1. An additional 17 credit hours chosen from music courses beyond the 1000 level, including:

a. At least 9 credit hours from courses beyond the 2000 level in music history and music theory.

b. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

c. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4, 7.2.5, and 7.4.3 above.”

Page 315, 2010-2011 Calendar, under the heading 7.4.2 Option B (No Minor), delete clause 1 and replace with the following:

“1. An additional 32 credit hours chosen from music courses beyond the 1000 level including:

a. At least 12 credit hours chosen from courses beyond the 2000 level in music history and music theory.

b. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

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c. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4, 7.2.5, and 7.4.3 above.”

d. A maximum of three of the following courses may be substituted for music electives: Education 2510, 2520, 2530, 2920, 3925, the former 4835, the former 4845.

Note: Music Education majors have priority in registering for these courses and spaces may not be available for General Musical Studies majors.”

Page 315, 2010-2011 Calendar, under the heading 7.5 Conjoint Degrees Program: Bachelor of Music and Bachelor of Music Education, delete clause 5 and replace with the following:

“5. Eight additional credit hours chosen from music courses beyond the 1000 level including:

a. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

b. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4 and 7.2.5 above.”

c. A maximum of two of the following courses in music education may be substituted for music electives in the Conjoint Degrees program: Education the former 4835, the former 4840, the former 4845, the former 4850, the former 4855, the former 4860.”

Page 315, 2010-2011 Calendar, under the heading 7.6 Theory and Composition Major, delete clause 6 and replace with the following:

“6. Eight additional credit hours chosen from music courses beyond the 1000 level including:

a. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

b. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4 and 7.2.5 above.”

Page 315, 2010-2011 Calendar, under the heading 7.7 History and Literature of Music Major, delete clause 6 and replace with the following:

“6. Fourteen additional credit hours chosen from music courses beyond the 1000 level including:

a. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

b. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4 and 7.2.5 above.”

Page 316, 2010-2011 Calendar, under the heading 7.8 Joint Major in Music Performance and History and Literature of Music, amend clause 4 to read

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“Six (6) credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-3518.” Delete clause 5 and replace with the following:

“5. Twenty additional credit hours chosen from music courses beyond the 1000 level including:

a. A minimum of 9 credit hours from courses beyond the 2000 level in music history.

b. A maximum of 4 credit hours from Music 2611-2614, 2619, 2620, and 263A/B, in addition to those in 7.2.5 above.

c. A maximum of 5 credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-18 in addition to those in 7.2.4, 7.2.5 and 7.8.4 above.”

d. A maximum of 9 credit hours of the following may be substituted for music electives: Education 2510, 2520, 2530, 3920, 3925, the former 4835, the former 4845.

Note: Music Education majors have priority in registering for these courses and spaces may not be available for other majors.”

Page 316, 2010-2011 Calendar, under the heading 7.9 Joint Major in Music Performance and Theory and Composition, amend clause 4 to read “Six credit hours from Music 2615, 2616, 2617, 265A/B, 3500, 3510-3518.”

Page 317, 2010-2011 Calendar, under the heading 10 Interdisciplinary Major in Drama and Music (Bachelor of Arts), amend clause 1.f. to read “Two credit hours from Music 2611, 2612, 2613, 2614, 2619, 2620.”

Page 317, 2010-2011 Calendar, under the heading 12.1 Applied Music Courses, delete course “ Music 2618.”

Page 317, 2010-2011 Calendar, under the heading 12.1 Applied Music Courses, insert co-requisites to the following courses:

For Music 140A/B, insert “CO: in each semester for students whose applied study is voice, piano, organ or guitar: one of Music 2611, 2612” and “in each semester for all other applied studies: one of Music 2611 or 2612 and one of Music 2613, 2614, 2615, 2619, 2620.”

For Music 240A/B, insert “CO: in each semester: one of Music 2611-2620 in accordance with Regulation 7.2.5.”

For Music 340A/B, insert “CO: in each semester: one of Music 2611-2620 in accordance with Regulation 7.2.5.”

For Music 345A/B, insert “CO: in each semester: one of Music 2611-2620 in accordance with Regulation 7.2.5.”

For Music 440A/B, insert “CO: in each semester: one of Music 2611-2620 in accordance with Regulation 7.2.5.”

For Music 445A/B, insert “CO: in each semester: one of Music 2611-2620 in accordance with Regulation 7.2.5.”

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Page 317, 2010-2011 Calendar, under the heading 12.1 Applied Music Courses, insert the following new course:

“2620 Instrumental Ensemble requires three hours rehearsal per week.

AR: attendance is required

CH: 1

PR: an audition. Contact the instructor or the School of Music office before the beginning of the semester regarding the audition.

UL: may only obtain a maximum of 8 credit hours”

57.7 Department of Earth Sciences

Page 413, 2010-2011 Calendar, under the heading 8.5.4 Fourth Year, regularize offering of Special Topics course EASC 4912 and amend the course description to read:

“4912 Planetary Geology is a classroom- and laboratory-based course that provides students with a basic knowledge of the geology of the Moon, Mars, asteroids and the moons of the satellites of the outer solar system; the petrology and geochemistry of meteorites and their importance to understanding the origin of the planets; impact cratering processes and rock products including those on Earth; and instrumentation for planetary exploration. The course combines lectures and laboratory exercises that examine data sets from planetary missions and specimens of extraterrestrial materials. Students learn how geological processes that have shaped Earth also have operated on other planets, moons and asteroids in our solar system.
PR: EASC 2031, 2702, 2905, and 3420”

Page, 413, 2010-2011 Calendar, under the heading 8.5.4 Fourth Year, insert “(Excluding 4912)” after course 4910-4920.

Page 367, 2010-2011 Calendar, under the heading 4.1.8 Biology and Earth Sciences Joint Honours, under clause 4, insert “2918” in the sentence “Earth Sciences 2150...fulfill this requirement.”

Page 369, 2010-2011 Calendar, under the heading 4.1.18 Earth Sciences and Geography Joint Honours (B.Sc. Only), under clause 5, insert “2918” in the sentence “Earth Sciences 2150...fulfill this requirement.”

Page 385, 2010-2011 Calendar, under the heading 7.5 Earth Sciences, under 120 credit hour programs, insert new clause 1 to read “1. Chemistry and Earth Sciences Joint Honours” Former clauses 1, 2, 3, 4, and 5 now become renumbered “2, 3, 4, 5, and 6.” Under 135 credit hour programs, remove clause “2. Chemistry and Earth Sciences Joint Honours.”

Page 385, 2010-2011 Calendar, under the heading 7.5.3 Minor in Earth Sciences, under clause 2, insert “2918” in the sentence “Credit hours from...fulfill this requirement.”

Page 385, 2010-2011 Calendar, under the heading 7.5.4 Major Programs in Earth Sciences, under clause 1, delete the sentence “Students will receive credit for only two first year Physics courses if they take Physics 1020, 1021, and 1051.” Amend clause 3 to read “Mathematics 2000 or Statistics 2510 or Statistics 2550.”

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Page 386, 2010-2011 Calendar, under the heading 7.5.5 Honours B.Sc. Degree in Earth Sciences, under clause 2, delete the sentence “Credit hours from...fulfill this requirement” and replace with “Credit hours from Earth Sciences 4310 and 4950 cannot be used to fulfill this requirement.”

Page 386, 2010-2011 Calendar, under the heading 7.5.5 Honours B.Sc. Degree in Earth Sciences, insert new clause 5 to read “5. Three of the credit hours used to fulfill either requirement (3) or (4) above must be from Biology, Chemistry, Computer Science, Statistics or Physics. They may be from Mathematics only if Mathematics 2000 has not been taken as part of the Common Block of Required Courses.”

Page 386, 2010-2011 Calendar, under the heading 7.5.6 General B.Sc. Degree in Earth Sciences, under clause 1, remove “2150, 2914, 2915, 2916, 2917 listed in the sentence “Credit hours from...fulfill this requirement.”

Page 386, 2010-2011 Calendar, under the heading 7.5.7 Credit Restrictions for Present Earth Sciences (EASC) Courses with Former Courses Table, under Note 2, insert “2918” in the sentence “Earth Sciences 2914...Earth Sciences prerequisites.”

Page 412, 2010-2011 Calendar, under the heading 8.5.3 Third Year, amend the prerequisite for the course 3030 to read “PR: EASC 2031 or permission of the instructor.”

Page 413, 2010-2011 Calendar, under the heading 8.5.4 Fourth Year, amend the prerequisite for the course 4905 to read “PR: EASC 2401, 3055, 3420 and 3905; and permission of the Head of the Department.”

57.8 Department of Mathematics and Statistics

Page 204, 2010-2011 Calendar, under the heading 2.12.1 Admission, in clause 3, delete “Mathematics (Pure and Applied Mathematics, Statistics)” and replace with “Mathematics (may include Statistics)”.

Page 204, 2010-2011 Calendar, under the heading 2.13.1 Admission, in clause 3, delete “Mathematics (Pure and Applied Mathematics, Statistics)” and replace with “Mathematics (may include Statistics)”.

Page 209, 2010-2011 Calendar, under the heading 2.19.3 Regulations for Students on the Secondary Education Route, in clause 2.e.i, delete “Mathematics (Pure and Applied Mathematics, Statistics)” and replace with “Mathematics (may include Statistics)”.

Page 366, 2010-2011 Calendar, under the heading 4.1.5 Biochemistry and Physics Joint Honours, in clause 4, delete the words “Applied Mathematics/Pure Mathematics” and “Applied Mathematics/Pure”.

Page 366, 2010-2011 Calendar, under the heading 4.1.4 Biochemistry and Chemistry Joint Honours, in clause 2, delete the words “Applied Mathematics/Pure Mathematics”.

Page 369, 2010-2011 Calendar, under the heading 4.1.14 Computer Science and Geography Joint Honours (B.Sc. Only), in clause 3.a., delete the words “Pure Mathematics”.

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Page 369, 2010-2011 Calendar, under the heading 4.1.15 Computer Science and Physics Joint Honours, in clause 5, delete the words “Applied Mathematics/Pure”. Under clause 6.b., delete the words “Pure Mathematics” and “Applied Mathematics/Pure Mathematics”.

Page 369, 2010-2011 Calendar, under the heading 4.1.17 Computer Science and Statistics Joint Honours (B.Sc. Only), in clause 1, delete the words “Pure Mathematics” before 2320, “Pure Mathematics/” before 3410, and “Statistics” before 3520”. In clause 2, delete “(excluding those with second digit 0)”.

Page 368, 2010-2011 Calendar, under the heading 4.1.12 Chemistry and Earth Sciences Joint Honours, in clause 4, insert “3260.”

Page 370, 2010-2011 Calendar, under the heading 4.1.19 Earth Sciences and Physics Joint Honours, in clause 4, delete the words “Applied Mathematics/Pure”.

Page 365, 2010-2011 Calendar, under the heading 4.1.1 Applied Mathematics and Chemistry Joint Honours (B.Sc. Only), delete clause 2 and replace with “2. Mathematics 2000, 2050, 2051, 2130, 3000, 3001, 3132, 3161, 3202, 3210, 3260, 4160.” In clause 4, delete the word “Applied”. Delete the last paragraph “Chemistry 3410, 3411...3500 and 4500” and replace with “Chemistry 3410, 3411, the former 4100, Mathematics 3100, 3240, 3320, 4131, 4132, 4133, Statistics 2510, Physics 3500 and 4500.”

Page 369, 2010-2011 Calendar, under the heading 4.1.16 Computer Science and Pure Mathematics Joint Honours (B.Sc. Only), in the sentence, “The following courses...Statistics are required:” delete clause 1 and replace with “1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3001, 3202, 3210, 3260, 3320, 3340, Statistics 2510.” In clause 3, delete the word “Pure”.

Page 370, 2010-2011 Calendar, under the heading, 4.1.21 Pure Mathematics and Statistics Joint Honours, delete clause 1 and replace with “1. Mathematics 2000, 2050, 2051, 2130, 2320, 3000, 3001, 3202, 3210, 3260, 4000, Statistics 3410, 3411, 3520, 3521, 3530, 4401, 4410;”. In clauses 3 and 4, delete the word “Pure”.

Page 366, 2010-2011 Calendar, under the heading 4.1.2 Applied Mathematics and Physics Joint Honours, delete clause 4 and replace with “4. Mathematics 1000, 1001, 2000, 2050, 2051, 3000, 3001, 3132, 3202, 3210, 3260.” In clause 5, delete the words “Applied” and “Pure Mathematics.” In clause 8, delete the word “Applied” which appears twice. In clause 9, delete the word “Applied.” In the paragraph, “The topic for...of both departments” delete “the former Applied” and replace “4199” with “419A/B”.

Page 368, 2010-2011 Calendar, under the heading 4.1.13 Chemistry and Physics Joint Honours, in clause 1, delete the words “Applied Mathematics/Pure Mathematics”. In clause 4, delete the words “Applied Mathematics/Pure”.

Page 371, 2010-2011 Calendar, under the heading 4.2.4 Computer Science and Economics Joint Major (B.Sc. Only), in clause 3, delete the words “Pure Mathematics”.

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Page 371, 2010-2011 Calendar, under the heading 4.2.5 Computer Science and Geography Joint Major (B.Sc. Only), in clause 3, delete the words "Pure Mathematics".

Page 370, 2010-2011 Calendar, under the heading 4.2.1 Applied Mathematics and Computer Science Joint Major (B.Sc. Only), delete clause 2 and replace with "2. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3100, 3132, 3161, 3202, 3260, 4160, 4190, plus one of Mathematics 3210, 4131, 4132, 4162."

Page 372, 2010-2011 Calendar, under the heading 4.2.10 Economics and Pure Mathematics Joint Major (B.Sc. Only), delete clause 1 and replace with "1. Mathematics 1000, 1001, 2000, 2050, 2130, 2320, 3000, 3100, 3202, 3260, 3320, Statistics 2510, and one 4000 level Mathematics course."

Page 371, 2010-2011 Calendar, under the heading 4.2.8 Computer Science and Statistics Joint Major (B.Sc. Only), in clause 3, delete the words "Pure Mathematics" before 2320, "Pure Mathematics" before "/Statistics" and "Statistics" before 3520.

Page 370, 2010-2011 Calendar, under the heading 4.2.2 Applied Mathematics and Economics Joint Major (B.Sc. Only), delete clause 1 and replace with "1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 3000, 3100, 3202, 3260, 4132, Statistics 2510." In clause 2, delete the word "Applied".

Page 371, 2010-2011 Calendar, under the heading 4.2.3 Applied Mathematics and Physics Joint Major (B.Sc. Only), delete clause 4 and replace with "4. Mathematics 1000, 1001, 2000, 2050, 2051, 3000, 3001, 3132, 3202, 3260." In clause 5, delete the words "Applied" and "Pure Mathematics". In clause 7, delete the word "Applied". In clause 9 delete the words "Applied" and "the former Applied". Delete 4199 and replace with "419A/B". In the last paragraph, "The last requirement...clause 8. above" delete the word "Applied".

Page 371, 2010-2011 Calendar, under the heading 4.2.6 Computer Science and Physics Joint Major, delete clause 4.b. and replace with "4.b. Mathematics 2000, 2050, 2320, 3260 and Statistics 2510." In clause 4.c., delete the words "Applied Mathematics/Pure".

Page 372, 2010-2011 Calendar, under the heading 4.2.9 Earth Sciences and Physics Joint Major, in clause 4, delete the words "Applied Mathematics/Pure".

Page 372, 2010-2011 Calendar, under the heading 4.2.11 Economics and Statistics Joint Major (B.Sc. Only), in clause 1, delete the words "Pure Mathematics/Statistics" which is listed twice and the word "Statistics" in front of 3520.

Page 371, 2010-2011 Calendar, under the heading 4.2.7 Computer Science and Pure Mathematics Joint Major (B.Sc. Only), delete clause 3 and replace with "3. Mathematics 2000, 2050, 2051, 2130, 2320, 3000, 3202, 3260, 3320, 3340, and Statistics 2510."

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Page 382, 2010-2011 Calendar, under the heading 7.3.4 General Degree - Major in Chemistry, in clause 3, delete the words “Applied Mathematics”.

Page 382, 2010-2011 Calendar, under the heading 7.3.5 Honours Degree in Chemistry, in clause 3, delete the words “Applied Mathematics”.

Page 383, 2010-2011 Calendar, under the heading 7.4.1 Major in Computer Science, in clause 2, insert “2320, and” after Mathematics 2050 and delete “and Pure Mathematics 2320.”

Page 383, 2010-2011 Calendar, under the heading 7.4.2 Honours in Computer Science, under clause 3, insert “2320, and” after Mathematics 2050 and delete “and Pure Mathematics 2320.”

Page 383, 2010-2011 Calendar, under the heading 7.4.3 Honours in Computer Science (Software Engineering) (B.Sc. Only), under clause 3, insert “2320 and” after Mathematics 2050 and delete “and Pure Mathematics 2320.”

Page 388, 2010-2011 Calendar, delete section 7.8.3 Course Numbering System and replace with the following:

“7.8.3 Course Numbering System

The subject area of all courses offered by the Department of Mathematics and Statistics is identified by the second digit of the course number:

- 0 – Common Core Mathematics courses
- 1 – Applied Mathematics courses
- 2 – Applied Mathematics and Pure Mathematics courses
- 3 – Pure Mathematics courses
- 4 – Pure Mathematics and Statistics courses
- 5 – Statistics Courses

Where a regulation makes reference to Applied Mathematics courses, this shall include all courses with second digit 1 or 2. Where a regulation makes reference to Pure Mathematics courses, this shall include all courses with second digit 2, 3 or 4. Where a regulation makes reference to Statistics courses, this shall include all courses with second digit 4 or 5.”

Page 388, 2010-2011 Calendar, under the heading 7.8.4 Major in Applied Mathematics (B.Sc. Only), in clause 1, delete the words “Applied Mathematics” before 3100, “Applied Mathematics/Pure Mathematics” before 3202 and “Applied Mathematics” before 4160. In clause 4, delete the word “Applied”.

Page 388, 2010-2011 Calendar, under the heading 7.8.5 Major in Pure Mathematics, delete clause 1 and replace with “1. Mathematics 1000, 1001, 2000, 2050, 2051, 2320, 3000, 3001, 3320.” In clause 2, delete the words “Applied Mathematics/Pure”. In clause 3, delete the word “Pure”. In clause 6, delete the word “Applied.”

Page 388, 2010-2011 Calendar, under the heading 7.8.6 Major in Statistics, delete the words “Pure Mathematics” before Statistics 3410 and “Statistics” before 3530.

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Page 389, 2010-2011 Calendar, under the heading 7.8.7 Honours in Applied Mathematics (B.Sc. Only), delete clause 1 and replace with "1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 3000, 3001, 3100, 3111, 3132, 3161, 3202, 3210, 3260, 4160, 4180, 4190, 419A/B." In clause 2, delete the word "Applied". In clause 3, delete the words "Pure Mathematics".

Page 389, 2010-2011 Calendar, under the heading 7.8.8 Honours in Pure Mathematics, delete clause 1 and replace with "1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3001, 3202, 3210, 3260, 3300, 3320, 3330, 4300, 4310, 4399, Statistics 2510." In clauses 2 and 4, delete the word "Pure".

Page 389, 2010-2011 Calendar, under the heading 7.8.9 Honours in Statistics, delete clause 1 and replace with "1. Mathematics 1000, 1001, 2000, 2050, 2051, 3000, 3001, 3202, 3210, Statistics 3410, 3411, 3520, 3521, 3530, 4410, 4590, 4599." In clause 4, delete the words "Pure Mathematics/".

Page 390, 2010-2011 Calendar, under the heading 7.9.2 Major in Physics, in clause 4, delete the words "Applied Mathematics/Pure". In clause 8, delete the words "Applied Mathematics/Pure". In the paragraph under clause 8, "Mathematics 1001, 2000...the third year", in the second sentence, delete the words "Applied Mathematics/Pure".

Page 390, 2010-2011 Calendar, under the heading 7.9.3 Honours in Physics, in clause 5, delete the words "Applied Mathematics/Pure Mathematics". In clause 8, delete the words "Applied Mathematics/Pure". In the paragraph under clause 8, "The Honours Physics...2130 and 3132" delete the word "Applied" in brackets.

Page 391, 2010-2011 Calendar, under table Recommended Course Schedule – Honours Physics Program, under Year II, Semester II, delete the words "Applied Mathematics/Pure" before 3202 and "Applied Mathematics/Pure" before 3260.

Page 391, 2010-2011 Calendar, under the heading 7.9.4 Major in Environmental Physics, in clause 4, delete the words "Applied Mathematics/Pure" which is listed twice.

Page 391, 2010-2011 Calendar, under the heading 7.9.5 Honours in Environmental Physics, in clause 4, delete the words "Applied Mathematics/Pure" which is listed twice.

Page 409, 2010-2011 Calendar, under the heading 8.4.3 Third Year Courses, amend the prerequisite for COMP 3718 to read "PR: COMP 2711 and Mathematics 2320".

Page 409, 2010-2011 Calendar, under the heading 8.4.3 Third Year Courses, amend the prerequisite for COMP 3719 to read "PR: COMP 2711 and Mathematics 2320".

Page 409, 2010-2011 Calendar, under the heading 8.4.3 Third Year Courses, amend the co-requisite for COMP 3724 to read "CO: Mathematics 2320".

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Page 409, 2010-2011 Calendar, under the heading 8.4.3 Third Year Courses, amend the credit restriction for COMP 3731 to read “CR: Mathematics 3132”.

Page 415, 2010-2011 Calendar, amend 8.8.3 heading to read “8.8.3 Mathematics Courses.” Under this heading, after the sentence “Mathematics courses are designated by MATH” insert “Where the 4 digit course number is the same, students can receive credit for only one course with subject names MATH, AMAT, PMAT, STAT.”

Page 416, 2010-2011 Calendar, delete only the heading “8.8.4 Applied Mathematics Courses.”

Page 417, 2010-2011 Calendar, delete only the heading “8.8.5 Pure Mathematics Courses.”

Page 415, 2010-2011 Calendar, under the heading 8.8.3 Mathematics Courses, courses listed under old headings 8.8.4 Applied Mathematics Courses and 8.8.5 Pure Mathematics Courses will now be inserted in numeric order under the heading “8.8.3 Mathematics Courses” as follows:

“1000, 1001, 1031, 1050, 1051, 1090, 2000, 2050, 2051, 2075, 2090, 2091, 2130, 2320, 3000, 3001, 3100, 3111, 3132, 3161, 3202, 3210, 3240, 3260, 3300, 3303, 3320, 3321, 3330, 3331, 3340, 3370, 4000, 4001, 4100, 4102, 4130, 4131, 4132, 4133, 4140, 4160, 4161, 4162, 4170, 4180, 4190, 419A and 419B, 4230, 4240, 4280-4290, 4300, 4301, 4310, 4320, 4321, 4331, 4340, 4341, 4370, 4375, 4399”

Page 415, 2010-2011 Calendar, under the heading 8.8.3 Mathematics Courses, make the following changes:

For MATH 2130, under the prerequisite, abbreviate Mathematics 1001 to read as “MATH 1001.”

For MATH 2320, under the prerequisite, abbreviate Mathematics to read as “MATH”.

For MATH 3100, under the prerequisite, delete “AMAT 3260 or Pure Mathematics” and insert “MATH 3260”.

For MATH 3111, under the prerequisite, delete “AMAT 3210 or Pure Mathematics” and insert “MATH 3210”.

For MATH 3132, under the prerequisite, delete “Mathematics 3000” and replace with “MATH 3000”. Also, delete “AMAT 3260 or Pure Mathematics”.

For MATH 3161, amend the prerequisite to read “PR: MATH 3202 and 3260”.

For MATH 3202, amend the credit restriction and prerequisite to read “CR: Physics 3810” and “PR: MATH 2000 and 2050”.

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For MATH 3210, delete the credit restriction "CR" and amend the prerequisite to read "PR: MATH 3000".

For MATH 3240, under the credit restriction, delete "Pure Mathematics 3240". Amend the prerequisite to read "PR: MATH 2320".

For MATH 3260, amend the credit restriction and prerequisite to read "CR: the former Engineering 3411" and "PR: MATH 2000".

For MATH 3300, amend the prerequisite to read "PR: MATH 2320".

For MATH 3303, amend the prerequisite to read "PR: MATH 2320".

For MATH 3320, amend the prerequisite to read "PR: MATH 2320".

For MATH 3330, amend the prerequisite to read "PR: MATH 2051 or 2320".

For MATH 3331, amend the prerequisite to read "PR: MATH 2051 or 2320".

For MATH 3340, amend the prerequisite to read "PR: MATH 2320".

For MATH 3370, amend the prerequisite to read "PR: MATH 2320".

For MATH 4130, amend the co-requisite and prerequisite to read "CO: MATH 4230" and "PR: MATH 3202 and one of Physics 3220 or MATH 4230 or permission of the Head of Department".

For MATH 4160, amend the prerequisite to read "PR: MATH 3202 and 3260".

For MATH 4162, amend the prerequisite to read "PR: MATH 3132, 4160".

For MATH 4170, amend the prerequisite to read "PR: MATH 4160".

For MATH 4180, under the prerequisite, delete "AMAT" and replace with "MATH".

For MATH 4190, amend the prerequisite to read "PR: MATH 3100, 3161, 4160, and a technical writing course offered by a Science department (MATH 2130 is recommended)".

For MATH 4230, delete the credit restriction "CR" and amend the prerequisite to read "PR: MATH 3202".

For MATH 4300, amend the prerequisite to read "PR: MATH 3300 or both MATH 3000 and 3303".

For MATH 4310, amend the prerequisite to read "PR: MATH 3210".

For MATH 4320, amend the prerequisite to read "PR: MATH 3320".

For MATH 4321, amend the prerequisite to read "PR: MATH 3320".

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For MATH 4340, delete “PMAT” and insert “MATH 3340” and amend the prerequisite to read “PR: MATH 2000 and 3340”.

For MATH 4341, amend the prerequisite to read “PR: MATH 3320 or 3340”.

Page 418, 2010-2011 Calendar, renumber section “8.8.6 Statistics Courses” to “8.8.4 Statistics Courses”. After the sentence, “Statistics courses are designated by STAT” insert “Where the 4 digit course number is the same, students can receive credit for only one course with subject names MATH, AMAT, PMAT, STAT.”

Page 418, 2010-2011 Calendar, under the heading 8.8.4 Statistics Courses, make the following changes:

For STAT 3410, delete the credit restriction “CR”.

For STAT 3411, delete the credit restriction “CR” and amend the prerequisite to read “PR: STAT 3410”.

For STAT 3520, under the prerequisite, delete “Pure Mathematics 3411 or” and insert “Mathematics” before “1001”.

For STAT 3521, under the prerequisite, delete “Pure Mathematics 3411 or”.

For STAT 3530, under the prerequisite, delete “Pure Mathematics 3411 or”.

For STAT 3540, under the prerequisite, delete “Pure Mathematics/”.

For STAT 3570, under the prerequisite, delete “Pure Mathematics 3411 or”.

For STAT 4401, delete the credit restriction “CR” and amend the prerequisite to read “PR: Mathematics 3000, STAT 3410”.

For STAT 4402, amend the credit restriction and prerequisite to read “CR: Mathematics 4102” and “PR: STAT 3410”.

For STAT 4410, delete the credit restriction “CR” and amend the prerequisite to read “PR: Mathematics 2051, STAT 3411”.

For STAT 4540, amend the prerequisite to read “PR: STAT 3411 and 3540”.

For STAT 4550, under the prerequisite, delete “Pure Mathematics 3411 or”.

For STAT 4560, amend the prerequisite to read “PR: Mathematics 2051, STAT 3410 and one of STAT 3411, 3520 or 3521”.

For STAT 4585, amend the prerequisite to read “PR: Mathematics 2000, STAT 3520, 3521. Mathematics 2130 is recommended”.

For STAT 4590, amend the prerequisite to read “PR: one of STAT 3411, 3520, or 3521”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the co-requisite and prerequisite for PHYS 3220 to

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read “CO: PHYS 2820 and Mathematics 3260” and “PR: PHYS 2820 and Mathematics 3260”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the prerequisite for PHYS 3230 to read “PR: PHYS 3220 and 3810 (or Mathematics 3202) and 3260”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the prerequisite for PHYS 3500 to read “PR: PHYS 2055 and 3810 or (Mathematics 3202)”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the co-requisite and prerequisite for PHYS 3550 to read “CO: Mathematics 3260” and “PR: Mathematics 2050, 3260, PHYS 2055”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the prerequisite for PHYS 3551 to read “PR: PHYS 3550 and Mathematics 3260”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the co-requisite and prerequisite for PHYS 3750 to read “CO: PHYS 3220 and 3810 or Mathematics 3202” and “PR: PHYS 2750 (or 2056), 3220 and 3810 (or Mathematics 3202)”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the prerequisite for PHYS 3820 to read “PR: Mathematics 3260 and PHYS 3810 (or Mathematics 3202)”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the credit restriction and prerequisite for PHYS 4205 to read “CR: Mathematics 4180” and “PR: PHYS 3220 and either Mathematics 4160 or PHYS 3821 or waiver approved by the instructor”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, amend the co-requisite, credit restriction, and prerequisite for PHYS 4220 to read “CO: Mathematics 4230”, “CR: Mathematics 4130” and “PR: Mathematics 3202 and one of PHYS 3220, Mathematics 4230 or waiver approved by the instructor”.

Page 419, 2010-2011 Calendar, under the heading 8.9 Physics and Physical Oceanography, for PHYS 6318, delete in brackets “Applied Mathematics 3202 or Pure”.

Page 448, 2010-2011 Calendar, under the heading 8.3 Major in General Science, clause 2, subheading Mathematics, delete and replace with:

“Mathematics:

Mathematics 1000, 1001, 2000, 2050, 2320

Nine additional credit hours beyond the 1000 level chosen from Mathematics or Statistics, at least 6 which must be beyond the 2000 level.”

Page 449, 2010-2011 Calendar, under the heading 8.5 Minor Programs - Division of Science, subheading Mathematics Minor, delete clause 2 and

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replace with “2. 18 additional credit hours in Mathematics courses beyond 1000 level or 15 additional credit hours in Mathematics courses beyond 1000 level and 3 credit hours in Statistics or Computer Science courses.”

Page 469, 2010-2011 Calendar, under the heading 10.19 Mathematics and Statistics, make the following changes:

For course 3320, amend the prerequisite to read “PR: Mathematics 2320”.

For course 3330, amend the prerequisite to read “PR: Mathematics 2051 or 2320”.

For course 3340, amend the prerequisite to read “PR: Mathematics 2320”.

For course 3370, amend the prerequisite to read “PR: Mathematics 2320”.

Page 470, 2010-2011 Calendar, under the heading 10.21 Physics, make the following changes:

For PHYS 3060, amend the co-requisite and prerequisite to read “CO: Mathematics 3260” and “PR: Physics 1051 and Mathematics 3260”.

For PHYS 3220, amend the co-requisite and prerequisite to read “CO: Mathematics 3260” and “PR: Physics 2820 and Mathematics 3260”.

For PHYS 3820, amend the prerequisite to read “PR: Mathematics 3260 and PHYS 3810 (or Mathematics 3202)”.

57.9 Regulations for the General Degree of Bachelor of Science

Page 374, 2010-2011 Calendar, under the heading 5.4 Regulations for the General Degree of Bachelor of Science, under clause 2.a. after the first sentence “Courses shall be...the candidate’s major.” insert “For the purposes of these regulations, candidates may complete only one major from departments which offer more than one.”

57.10 Department of Philosophy

Page 153, 2010-2011 Calendar, under the heading 8.25.2 Major Program, delete the section and replace with the following:

“The major program in Philosophy consists of a minimum of 36 credit hours in courses chosen in accordance with the following requirements:

1. Philosophy 1200, Philosophy 2000 or 2220, Philosophy 2210, Philosophy 2230 or 3400, Philosophy 2701 or 2702
2. 3 credit hours from Philosophy 3110 to 3620 (excluding Philosophy 3400)
3. 3 credit hours from Philosophy 3730 to 3790
4. 3 credit hours from Philosophy 3800 to 3851
5. 3 credit hours from Philosophy 3860 to 3890

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6. 3 credit hours from Philosophy 3900 to 3950

7. 3 credit hours from the 4700-4790 series

8. 3 credit hours from the 4800-4890 series

Note: *Students declaring a major in Philosophy must choose a program advisor in consultation with the Head of the Department or Undergraduate Officer and the faculty member concerned.*

Page 153, 2010-2011 Calendar, under the heading 8.25.3 Minor Program, delete the section and replace with the following:

“The minor program in Philosophy consists of a minimum of 24 credit hours in courses which must be chosen in accordance with the following requirements:

1. Philosophy 1200, Philosophy 2000, or 2210 or 2220, Philosophy 2230 or 3400, Philosophy 2701 or 2702

2. 3 credit hours from Philosophy 3110 to 3950 (excluding Phil 3400)

3. An additional 6 credit hours in Philosophy courses at the 3000-level or higher

4. 3 credit hours from 4000 level courses

Note: *Students declaring a Minor in Philosophy may choose to have a program advisor by mutual agreement with a member of the Philosophy Department.*

Page 153, 2010-2011 Calendar, under the heading 8.25.4 Honours Program, delete the section and replace with the following:

“The full Honours program requires a minimum of 60 credit hours in Philosophy courses; Joint Honours requires a minimum of 45 credit hours in Philosophy courses. These must include:

1. Philosophy 1200, Philosophy 2000 or 2220, Philosophy 2210, Philosophy 2230, Philosophy 3400, Philosophy 2701 or 2702

2. 3 credit hours from Philosophy 3110 to 3620 (excluding Philosophy 3400)

3. 3 credit hours from Philosophy 3730 to 3790

4. 3 credit hours from Philosophy 3800 to 3851

5. 3 credit hours from Philosophy 3860 to 3890

6. 3 credit hours from Philosophy 3900 to 3950

7. 3 credit hours from the 4700-4790 series

8. 3 credit hours from the 4800-4890 series

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9. An additional 3 credit hours in courses at the 4000 level
10. Either Philosophy 4998 or 4999
11. Candidates for Joint Honours must choose 4998*
12. Candidates for full Honours may take 4999 only with permission of the Department.
13. Other Philosophy courses to a total of 60 credit hours for Full Honours, 45 credit hours for Joint Honours
14. Candidates for Joint Honours who elect to fulfill the honours requirement in the other discipline are not required to take the Comprehensive Examination. (See **Regulations for the Honours Degree of Bachelor of Arts**)”

Page 153, 2010-2011 Calendar, under the heading 8.25.5 Course Descriptions, under course 1100, insert “*Note: Credit may be obtained for only one of 1100 or the former 1003.*”

Page 153, 2010-2011 Calendar, under the heading 8.25 Course Descriptions, under course 2000, delete “Prerequisite/Co-requisite: PHIL 1200 or permission of the Department.”

57.11 Department of Political Science

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, under course POSC 2010, delete “*Note: Credit may be obtained for only one of POSC 2010 and the former 2500.*”

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, under course POSC 3010, amend the prerequisite to read, “Prerequisite: POSC 2010 or nine credit hours in Political Science and enrollment in the Political Science Honours, Major or Minor program.”

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, amend the course description for POSC 3290 to read as follows:

“**3290 Human Security** examines political concepts and government policies related to security contexts, such as the displacement of citizens, food supply issues, energy, information flows, war and/or the environment.”

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, amend the course description for POSC 4110 to read as follows:

“**4110 Multicultural Citizenship** examines discourses on multiculturalism in contemporary political theory from a normative perspective. Focuses on the justice and equality frameworks within which multiculturalism is understood, and the challenges arising from pluralism in democratic societies.”

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Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, under the course POSC 4215, delete “*Note: Credit may be obtained for only one of POSC 4215 and the former Law and Society 3300.*”

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, amend the course description for POSC 4120 to read as follows:

“4120 Contemporary Democratic Theory examines significant debates in the contemporary scholarship on democratic theory, such as the relationship between democratic decision-making and individual liberty; who “the people” are in democratic states and how they make their will known; whether democracy depends upon a sense of collective identity; and whether democracy is inherently exclusionary.
Prerequisite: POSC 3100 or 3110, or the instructor’s permission.”

Page 159, 2010-2011 Calendar, under the heading 8.27.9 Course Descriptions, amend the course title and description for POSC 4330 to read as follows:

“4330 Comparative Political Representation studies the role of both the public and political institutions in affecting political and policy outcomes. Topics will address the nature of political institutions, public demands, and evidence regarding how interests are facilitated through the political process.”

Page 157, 2010-2011 Calendar, under the heading 8.27.3 Honours in Political Science, in clause 2, insert new note 3 to read “*3. If the Honours essay topic encompasses one of Canadian Government or Global Studies, the POSC 4010 and 4011 may be applied towards the applicable Political Science concentration, subject to permission of the Head of the Department.*”

57.12 Department of Sociology

Page 166, 2010-2011 Calendar, under the heading 8.30.7 Course Descriptions, insert the following new course:

“3041 Theory and Practice of Sociological Research this course develops and elaborates upon work introduced in Sociology 3040. Students will more deeply explore the theories of knowledge that underpin social research. They will further hone their abilities to assess different forms of sociological work and to craft research questions. Instruction takes place in a classroom equipped with the computer hardware and software necessary for all students to gain experience performing literature searches and both qualitative and quantitative research. This course includes lectures, discussion, and hands-on experience with sociological research.
Prerequisites: Sociology 1000 and one Sociology course at the 2000 level
Co-requisite: Sociology 3040”

Page 166, 2010-2011 Calendar, under the heading 8.30.7 Course Descriptions, regularize special topics course SOCI 4104 to read as follows:

“4104 Environmental Sociology examines how social forces shape environmental degradation and our responses to environmental issues. It highlights how the distribution of environmental resources and vulnerability

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to environmental risk intersect with patterns of social power and inequality. This course focuses on three key areas: theoretical perspectives for understanding environment-society interaction; the social dynamics of environmental movements; and natural resource use and conflict, with a focus on fisheries, forestry, tourism, and global climate change.

Prerequisites: SOCI 3040, SOCI 3150 and 3 additional credit hours in Sociology courses at the 3000 level, or by permission of the course instructor.”

Page 166, 2010-2011 Calendar, under the heading 8.30.7 Course Descriptions, amend course title for SOCI 4100-4109 to read “**4100-4109 (Excluding 4104 and 4107) Special Topics in Institutional Analysis**”.

57.13 Police Studies (Diploma and Major Programs)

Page 156, 2010-2011 Calendar, under the heading 8.26.4 Course Descriptions, insert the following new course:

“**3500 Investigative Interviewing** this course will introduce students to investigative interviewing. It covers a range of topics that will help develop and/or improve the interviewing skills of those working in various disciplines where professional interviewing skills are essential.

Prerequisites: Students should have completed a minimum of 60 credit hours.”

Page 97, 2010-2011 Calendar, under the heading 5.11.3.1 Required Courses, remove “Social Work 3310” and replace with “Police Studies 3500.” Insert course description for Police Studies 3500 as follows:

“**3500 Investigative Interviewing** this course will introduce students to investigative interviewing. It covers a range of topics that will help develop and/or improve the interviewing skills of those working in various disciplines where professional interviewing skills are essential.

Prerequisites: Students should have completed a minimum of 60 credit hours.”

Page 98, 2010-2011 Calendar, under the heading 5.11.3.2 Alternative Courses, insert “Police Studies 3000, 3100, 4000, 4001 and Religious Studies 1000.”

Page 156, 2010-2011 Calendar, under the heading 8.26.4 Course Descriptions, insert the following new course:

“**4001 Police Decision Making and Ethics** this course provides students with the tools to locate, critically review, and summarize the findings and practical implications of police research on key topics. These topics include the influence of discretion on police powers and the importance of ethics and accountability in policing. The course will also discuss police officer stress and how it is influenced by ethical dilemmas. Examples of misuse of discretion and ethical dilemmas will be discussed.

Prerequisites: A minimum of 60 credit hours, including Police Studies 2000 and three additional courses at the 3000 level from the Elective Courses List.”

Police Studies (Diploma and Major Programs) (cont'd)

Page 155, 2010-2011 Calendar, remove the section “8.26.2 Admission Regulations”.

Page 155, 2010-2011 Calendar, under the heading 8.26.3 Major Regulations, Core Courses, remove “Police Studies 4000” and replace with “Police Studies 4000 or Police Studies 4001”.

Page 155, 2010-2011 Calendar, under the heading 8.26.3 Major Regulations, Elective Courses, after Police Studies 3100, 3200, insert “3500* see note 3 Below, 4000, 4001”.

Page 155, 2010-2011 Calendar, under the heading 8.26.3 Major Regulations, Elective Courses, insert “Religious Studies 1000” and remove “Religious Studies 2810”.

Page 155, 2010-2011 Calendar, under the heading 8.26.3 Major Regulations, Elective Courses, insert new note 3 to read “*3. *It is recommended that students interested in applying to the RNC wait to do this course as part of that program.*”

Page 155, 2010-2011 Calendar, under the heading 8.26.4 Course Descriptions, for Police Studies 2000, add “Prerequisite: None”.

57.14 Department of Women’s Studies

Page 170, 2010-2011 Calendar, under the heading 8.32 Women’s Studies, delete the section and replace with the following:

“Women’s Studies is an academic area of study that critically examines how gender shapes our identities, our social interactions and our world. Through exposure to interdisciplinary perspectives, students develop a framework for thinking about power relations and the ways that those relations are shaped and challenged by intersecting constructions of gender, race, class, sexuality, ability, age and nationality. Women’s Studies examines everyday experiences social and political institutions, literary and philosophical contributions, and past and present ideas and world events. The discipline provides students with tools to engage with and critically analyze these areas.”

Page 170, 2010-2011 Calendar, under the heading 8.32.2 Minor Program Regulations, in clause 2, insert “Women’s Studies courses that are not required for the Minor (WSTD 2005, WSTD 3005, WSTD 4005) can be counted as Minor Elective Courses in one subject area.” after the first sentence, “A minimum of...different subject areas.”

57.15 Department of English

Page 118, 2010-2011 Calendar, under the heading 8.11.4 Course Descriptions, amend the course descriptions for English 2700 and English 3817 to read as follows:

“**2700 Writing and Gender I** introduces questions related to gender in a variety of fiction and non-fiction works. This course qualifies as a research and writing course.

Department of English (cont'd)

3817 Writing and Gender II draws a variety of writing to examine questions related to the study of gender. Possible topics may include the changing constructions of gender and the intersections of gender with race, class, nationality and sexuality. This course may qualify as a research and writing course.”

57.16 Department of French and Spanish

Page 128, 2010-2011 Calendar, under the heading 8.16 French and Spanish, insert “7. Université de Bretagne Sud (UBS)”. Renumber “7. Spanish Major and 8. Spanish Minor” to “8. Spanish Major and 9. Spanish Minor”. Under 9. Spanish Minor, insert the following paragraph:

“Native speakers of French, Spanish or Italian and students with near-native fluency will not normally receive credits for courses taken at the first year level in their native language nor will they be allowed to challenge for credit at the first year level. Such students shall consult the Department to be placed at the appropriate level.”

Page 129, 2010-2011 Calendar, under the heading 8.16.5 Transfer Credit for Language Courses, in the first sentence, “Students who successfully...of Newfoundland credit” insert the words “or Spanish” after the word “French.” Amend the first sentence in the second paragraph to read “Students intending to participate in a summer language bursary program...University of Newfoundland.”

Page 129, 2010-2011 Calendar, under the heading 8.16.5 Transfer Credit for Language Courses, amend Note 1 to read “1. *In any event, no more than 9 transfer credit hours in either French or Spanish at the first-year level, and 18 at the second-year level, may be granted to any student.*”

Page 129. 2010-2011 Calendar, delete the section “8.16.6 Supplementary Examinations” and renumber subsequent sections accordingly.

Page 129, 2010-2011 Calendar, under the heading 8.16.8 Canadian Third Year in Nice Program, in the first paragraph, remove “The” in front of University of Western Ontario and University of Windsor. In the sentence “Canadian Students participating...in the program” lower case “Of.” In the sentence “Specific Memorial University...Université de Nice” delete the words “a block of unspecified transfer” and replace with “specified and/or unspecified”. Amend the last sentence of this paragraph to read “This follows the time frame of Sessions I and II at the Université de Nice-Sophia Antipolis.” In the next paragraph, amend the third sentence to read “Les étudiant/e/s et canadien/ne/s qui participent à ce programme sont encadrés par un/e professeur/e d’une des universités qui participent à ce programme.” Amend the sixth sentence to read “Les cours de l’enseignant/e canadien/ne donneront droit à des crédits spécifiés, alors que les cours suivis avec les professeur/e/s nicois/es donneront droit à des crédits spécifiés et/ou non spécifiés.”

Page 130, 2010-2011 Calendar, insert new section “8.16.8 Université de Bretagne Sud (UBS)”. Under the heading 8.16.8 Université de Bretagne Sud (UBS), insert the following:

Department of French and Spanish (cont'd)

“The exchange program with the Université de Bretagne Sud (UBS) in Lorient, France, is a one semester immersion program (January to May) offered by Memorial University at the Third and/or Fourth year level. Specified and/or unspecified Memorial University of Newfoundland credits are awarded for successful completion of the courses taken at UBS.

Le programme d'échanges avec l'université de Bretagne Sud à Lorient, France, est un programme d'immersion d'un semestre aux niveaux de la troisième et/ou de la quatrième année. Les cours suivis à l'UBS donneront droit à des crédits spécifiés et/ou non spécifiés de Memorial University of Newfoundland.”

Page 134, 2010-2011 Calendar, insert new section “8.16.10.5 Italian” Renumber the old section 8.16.10.5 Course Descriptions to “8.16.10.6 Course Descriptions”.

57.17 Departments of Classics and History

Page 107, 2010-2011 Calendar, under the heading 8.6.4.3 Greek and Roman Studies Course Descriptions, insert “(same as History 2034)” after the course title “2020 History of the Hellenistic World.”

Page 142, 2010-2011 Calendar, under the heading 8.19.3 Course Descriptions, insert the following new course:

“**2034 History of the Hellenistic World** (same as Classics 2020) is a survey of the history of the Mediterranean world and the Near East from the death of Alexander the Great in 323 BC until the incorporation of the Kingdom of Egypt in the Roman Empire in 30 BC. Particular attention is given to the influence of the new monarchies on political, social and cultural developments in both Greek and non-Greek communities.”

57.18 Faculty of Business Administration

Page 189, 2010-2011 Calendar, under the heading 8.3 Business Electives Course Descriptions, change Business 6024 from a special topics course to a regular course offering and renumber to Business 6330 and insert as follows:

“**6330 International Labour Relations** aims to place Canadian industrial relations in an international context by studying industrial relations in a number of different countries, bearing in mind the challenges faced by practitioners and policy makers arising from globalization and the information age. The review includes a selection of long established industrialized countries as well as later industrializing countries.

CR: BUSI 6024
PR: BUSI 3320”

Page 189, 2010-2011 Calendar, under the heading 8.3 Business Electives Course Descriptions, amend Business 6000-6029 as follows:

“**6000-6029 (Excluding 6001, 6004, 6008, 6009, 6010, 6021, 6022, 6024 and 6027) Special Topics**”

Faculty of Business Administration (cont'd)

Page 182, 2010-2011 Calendar, under the heading 4.3.3 Human Resources and Labour Relations, amend clause 2 to read as follows:

“2. any four of the following: BUSI 6301, BUSI 6311, BUSI, 6312, BUSI 6330, BUSI 7315, BUSI 7320, BUSI 7321, BUSI 7330, or Economics 3360.”

57.19 School of Pharmacy

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, amend the prerequisite of Pharmacy 2203 as follows:

“PR: Chemistry 1050 and 1051 or Chemistry 1200 and 1001 or equivalent”

Page 347, 2010-2011 Calendar, under the heading 4.3 Admission Requirements to the School, amend the third bullet in clause 2 which reads “English 1080 and English 1101 or equivalent” to read as follows:

“• Six credit hours at the 1000-level in English”

Page 347, 2010-2011 Calendar, under the heading 4.3 Admission Requirements to the School, in clause 3, delete “Sir Wilfred” and “college” and upper-case the letter “c” in campus.

Page 347, 2010-2011 Calendar, under the heading 4.3 Admission Requirements to the School, amend the third bullet in clause 3 which reads “English 1000 and 1001” to read as follows:

“• Six credit hours at the 1000-level in English”

Page 349, 2010-2011 Calendar, under the heading 7 Supplementary Examination Regulations, delete the section and replace with the revised heading and calendar description as follows:

“**7 Supplementary and Deferred Examination Regulations**”

- Supplementary examinations may be permitted in some courses offered by the School of Pharmacy. Students seeking to write a supplementary midterm or final examination shall apply in writing by completing the “Application for Supplementary Examination” Form (available on-line on the School’s website: http://www.mun.ca/pharmacy/undergrad/Supplementary_Exam_Form.pdf).
- This form must be submitted within 7 days following release of midterm marks in the case of supplementary midterm examinations or within 7 days following release of the final grades in the case of supplementary final examinations. The completed form should be submitted to the Director’s Office for consideration.
- The transcript will indicate that the final grade was earned as a result of a supplementary examination. Course Coordinators shall advise students in the course outline that such a notation will be made on the transcript.
- Students shall be permitted to write a maximum number of ONE supplementary examination (excluding Pharmacy Skills & Structured Practice Experience (SPE) courses) during each academic year of the pharmacy program. For any one registration in a course, a student

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shall be permitted to write a final supplementary examination only once.

- For details please refer to the School's Supplementary Examination Policy which is available on-line at http://www.mun.ca/pharmacy/undergrad/Supplementary_Exam_Policy.pdf or contact the Associate Director of Undergraduate Studies.
- Memorial University has official regulations regarding deferred final examinations, available on-line at <http://www.mun.ca/regoff/calendar/sectionNo=REGS-0628>. Deferred midterm examinations may be permitted in some courses offered by the School of Pharmacy. For details please refer to the School's Deferred Examination Policy which is available on-line at http://www.mun.ca/pharmacy/undergrad/Deferred_Examination_Policy.pdf or contact the Associate Director of Undergraduate Studies."

Page 348, 2010-2011 Calendar, under the heading 5.1 Bachelor of Science (Pharmacy), amend the first sentence of clause 1 to read as follows:

"1. The 176 credit hour Bachelor of Science (Pharmacy) degree requires 30 credit hours before admission to the program and 146 credit hours after admission to the program."

Page 348, 2010-2011 Calendar, under the heading 5.1 Bachelor of Science (Pharmacy), amend Table 1 Bachelor of Science (Pharmacy) as follows:

- Under "Required Courses", amend the first block to read as follows:

"Biology 1001 and 1002
Chemistry 1050 and 1051 or equivalent
Any 6 credit hours at the 1000 level in English
Mathematics 1000 and 1001
Physics 1020 and 1021 or Physics 1050 and 1051"

- For "Fall Academic Term 1", under "Required Courses", (i) delete "Business 2000" and (ii) delete "PHAR 2150" and replace with "PHAR 2650"

- For "Winter Academic Term 2", under "Required Courses", delete "PHAR 2151" and replace with "PHAR 2651"

- For "Fall Academic Term 3", under "Required Courses", (i) delete "PHAR 3150" and replace with "PHAR 3650" and (ii) delete "PHAR 3501"

- For "Winter Academic Term 4", under "Required Courses", (i) delete "Biochemistry 2600", (ii) delete "PHAR 3151" and replace with "PHAR 3651" and (iii) delete "PHAR 3206" and replace with "PHAR 3006"

- For "Fall Academic Term 5", under "Required Courses", (i) delete "PHAR 4105" and replace with "PHAR 4201", (ii) delete "PHAR 4150" and replace with "PHAR 4650", (iii) delete "PHAR 4301" and replace with "PHAR 4302" and (iv) delete "PHAR 4501" and replace with "PHAR 4504". Under "Elective Courses", delete "3 credit hours".

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- For “Winter Academic Term 6”, under “Required Courses”, (i) delete “PHAR 4151” and replace with “PHAR 4651” and (ii) delete “PHAR 4502” and replace with “PHAR 4505”

- For “Fall Academic Term 7”, under “Required Courses”, (i) delete “PHAR 5150” and replace with “PHAR 5650”, (ii) delete “PHAR 5303” and (iii) delete “PHAR 5501” and replace with “PHAR 5506”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 2150, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 2151, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new courses:

“**2650 Pharmacy Skills** provides an introduction to the skills necessary for pharmacy practice in order to meet the educational outcomes for the first year of the pharmacy program. This course is the first in a series of Pharmacy Skills courses, all of which require students to acquire and apply the knowledge, attitudes and skills necessary for the effective practice of the profession. Students will begin to develop abilities in communication, professionalism, critical thinking, problem-solving, teamwork and self-directed learning. Students will apply basic knowledge and skills in drug information, technology, interpersonal communications and pharmacy legislation to simulated practice situations. Students will develop public communication skills through the completion of a professional communications program. Activities in this course will complement material covered in the concurrent course PHAR 2101.

CO: all Academic Term 1 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

2651 Pharmacy Skills provides an introduction to the skills necessary for pharmacy practice in order to meet the education outcomes for the first year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving, teamwork and self-directed learning. Pharmacy practice in the community pharmacy setting will be a focus. Students will develop dispensing, drug information and pharmaceutical calculations skills relevant to community pharmacy practice. Students will begin developing their patient interaction and patient education skills. Activities in this course will complement

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material covered in the concurrent PHAR 2102. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 2 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

PR: PHAR 2150 and 2101

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

3006 Immunology is an introduction to the molecular and cellular basis of immunity and hypersensitivity. Manipulation of the immune system in the management and treatment of disease is discussed.

CR: PHAR 4105

PR: PHAR 2002 and 2003

UL: Not application to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 3150, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 3151, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 3206, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 3501, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new courses:

“**3650 Pharmacy Skills** continues the development of the skills necessary for pharmacy practice in order to meet the educational outcomes for the second year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving,

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teamwork and self-directed learning. Pharmacy practice in the hospital setting will be a focus. Students will participate in sterile product preparation and practice drug information and pharmaceutical calculation skills relevant to hospital practice. Students will develop pharmacist care plans and will further develop their patient education skills. Scenarios will relate to the courses of study in the second year and draw on material studied in earlier years of the program. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 3 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

3651 Pharmacy Skills continues the development of the skills necessary for pharmacy practice in order to meet the educational outcomes for the second year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving, teamwork and self-directed learning. Students will participate in practice sessions necessary to develop an understanding of and skills required in patient assessment and patient education related to patient self-care. Students will build on their pharmacist care skills to meet patients' drug-related needs in uncomplicated patient scenarios and drug information skills to assess information needs. Scenarios will relate to the courses of study in the second year and draw on material studied in earlier years of the program. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 4 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

PR: PHAR 3150

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011"

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4105, add the following UL = Usage limitation(s) to the end of the course description:

"UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later."

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4150, add the following UL = Usage limitation(s) to the end of the course description:

"UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later."

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4151, add the following UL = Usage limitation(s) to the end of the course description:

School of Pharmacy (cont'd)

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new course:

“**4201 Applied Pharmacokinetics** is an introduction to biopharmaceutical and pharmacokinetic principles used in the selection, dosing, monitoring and evaluation of drug therapy. Application of these principles in evaluating drug literature and developing drug dosage regimens of selected classes of drugs for individual patients will be discussed.

CR: PHAR 3206 and 4006

PR: Medicine 4300, PHAR 2201, 2202 and 3009

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4301, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new course:

“**4302 Patient Care II** discusses the principle roles of health systems and health policy with a special emphasis on pharmaceutical policy and its impact on the profession, the public and on the delivery of pharmaceutical care. The principles of health promotion and the role of the pharmacist will be discussed. Students will gain knowledge about health challenges facing society, how education affects health, the roles of the pharmacist in educating and promoting health to patients.

CH: 1

CR: PHAR 3501 and 4301

PR: PHAR 2101, 2102, and 3301

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4501, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 4502, add the following UL = Usage limitation(s) to the end of the course description:

“UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later.”

School of Pharmacy (cont'd)

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new courses:

“4504 Pharmacy Research and Evaluation I introduces the biostatistical, pharmacoepidemiologic and pharmaco-economic concepts and develops the skills necessary to the practice of research and evaluation methods in applied pharmacy. The understanding of such methods is an important prerequisite in the critical appraisal of the health literature and the undertaking of evidence-based clinical practice.

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011.

4505 Pharmacy Research and Evaluation II introduces students to principles of critical appraisal and provides opportunities to apply these principles to critique and evaluate current medical literature. Students will be assigned to a tutorial group, which will meet twice during the semester to critically appraise at least two recently published studies (journal club). Emphasis will be placed on appropriate application of critical appraisal skills and group discussion of impact of study findings on clinical practice. In addition, this course will also discuss drug utilization reviews and evaluations and the role of the pharmacist, as well as adverse drug event reporting and the role of the pharmacist.

CH: 1

LC: 1

OR: tutorials 1 hour per week; attendance is required

PR: PHAR 4504 or equivalent

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

4650 Pharmacy Skills continues the development of the skills necessary for pharmacy practice in order to meet the educational outcomes for the third year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving, teamwork and self-directed learning. Students will participate in practice sessions necessary to develop an understanding of and skills required in patient assessment. Students will build on their pharmacist care skills to meet patients' drug-related needs in more complex patient scenarios, drug information skills to assess information needs, and medication preparation and dispensing skills to optimize safe and accurate medication delivery. Scenarios will relate to the courses of study in the third year and draw on material studies in earlier years of the program. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 5 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

4651 Pharmacy Skills continues the development of the skills necessary for pharmacy practice in order to meet the educational outcomes for the third year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving,

School of Pharmacy (cont'd)

teamwork and self-directed learning. Students will participate in sessions that focus on ethical issues in pharmacy practice and communication with health care providers. Students will build on their patient assessment and pharmacist care skills to meet patients' drug-related needs in more complex patient scenarios and will use critical appraisal skills to respond to clinical questions. Scenarios will relate to the courses of study in the third year and draw on material studied in earlier years of the program. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 6 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

PR: PHAR 4150

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011"

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 5150, add the following UL = Usage limitation(s) to the end of the course description:

"UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later."

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 5303, add the following UL = Usage limitation(s) to the end of the course description:

"UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later."

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, for Pharmacy 5501, add the following UL = Usage limitation(s) to the end of the course description:

"UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted Fall 2011 or later."

Page 350, 2010-2011 Calendar, under the heading 10 Course Descriptions, add the following new courses:

"5506 Pharmacy Research and Evaluation III discusses the principles of critical appraisal and provides opportunities to apply these principles to critique and evaluate current medical literature. Students will be assigned to a tutorial group, which will meet twice during the semester to critically appraise at least two recently published studies. Emphasis will be placed on appropriate application of critical appraisal skills and group discussion of impact of study findings on clinical practice.

CH: 1

LC: 0

OR: tutorials 1 hour per week

PR: PHAR 4505 or equivalent

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011

School of Pharmacy (cont'd)

5650 Pharmacy Skills continues the development of the skills necessary for pharmacy practice in order to meet the educational outcomes for the fourth year of the pharmacy program. Students will continue to develop abilities in communication, professionalism, critical thinking, problem-solving, teamwork and self-directed learning. Students will build on their pharmacist care skills to meet patients' drug-related needs in patients with multiple drug related problems. Refinement of verbal and written communication skills will be focus. Scenarios will relate to the courses of study in the fourth year and draw on material studies in earlier years of the program. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available.

CO: all Academic Term 7 Pharmacy courses

LC: 0

OR: practical sessions 3 hours per week; tutorials 1 hour per week; attendance is required

UL: Not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011”

57.20 Faculty of Education

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3040 as follows:

“3040 The Assessment and Development of Children’s Language Abilities (PE, SE) focuses on techniques for assessing language abilities in primary and elementary students and will provide models for developing strategies in implementing language instruction appropriate to students’ needs.

PR: ED 4350, 3543, or the former 3540 or 3545”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend the course title of Education 3600 as follows:

“3600 Academic and Behavioral Assessment (SE)”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3610 as follows:

“3610 Nature and Characteristics of Intellectual Disabilities (SE) aims to provide an understanding of the nature and characteristics of intellectual disabilities and the psycho-social implications of this area of exceptionality.”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3630 as follows:

“3630 Nature and Characteristics of Learning Disabilities (SE) examines our theoretical understanding of the nature and characteristics of learning disabilities. It explores contemporary understandings, assessment/identification approaches, and current research as it relates to educational practice.

CR: the former ED 3231”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3650 as follows:

Faculty of Education (cont'd)

“3650 Practicum in Special Education (SE) encompasses a practice experience with students who have an identified exceptionality. The emphasis will be on a supervised field placement in a special education position within a school setting.

PR: completion of 18 credit hours in Special Education including ED 3600”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3680 as follows:

“3680 Inclusive Practices for Students with Autism Spectrum Disorder (ASD) (SE) examines the nature of ASD with particular focus on methods of behavioral assessment, use of assistive technology and specific therapy techniques. Support programs will be considered within an ecological context that prioritizes collaborative planning with parents and other therapeutic agents.”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 3941 as follows:

“3941 Diagnosing and Directing Learning in Primary and Elementary Mathematics (PE,T,SE) is a study of aspects of diagnosis and remediation in primary and elementary Mathematics, and of the basis for constructing and applying diagnostic techniques. The course offers an examination, development, and application of a variety of manipulative aids and assistive technology to be used in the teaching of Mathematics in the primary and elementary grades.

PR: ED 3940”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4505 as follows:

“4505 Transition Planning for Adolescents with Intellectual Disabilities (SE) focuses on the application of educational procedures relevant to successful post-secondary education, employment and community integration of adolescents and young adults with mild and moderate developmental disabilities. Appropriate senior high programming, life skills development, use of assistive technology and resource materials necessary for transition planning for this population will be reviewed.

CO: ED 3610

PR: ED 3610”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4510 as follows:

“4510 Inclusive Practices for Students with Mild Intellectual Disabilities (SE) gives consideration to the establishment of objectives; selection, development and review of materials; the use of various instructional strategies; assistive technology and the provision of appropriate experiences for the education of students with mild intellectual disabilities.

CO: ED 3610

PR: ED 3610”

Faculty of Education (cont'd)

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4515 as follows:

“4515 Inclusive Practices for Students with Moderate Intellectual Disabilities (SE) focuses on inclusive educational practices for students with moderate intellectual disabilities. Emphasis will be placed on the development, implementation and management of a well-balanced individualized curriculum as articulated in an individual educational plan. Students will be expected to demonstrate fluency in the design of effective instructional strategies, including the use of assistive technology to maximize student’s individual strengths across a variety of environments.

CO: ED 3610

PR: ED 3610”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4520 as follows:

“4520 Inclusive Practices for Students with Behavioural Challenges (SE) examines programs and strategies for students with behavioural issues. These will include counseling skills, case conferences, structured learning environments, use of assistive technology and therapeutic interventions for specific behavior problems. In addition, consideration will be given to collaboration with mental health practitioners and procedures to develop readiness for return to regular instructional programs.

CO: ED 3620

PR: ED 3620”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4530 as follows:

“4530 Inclusive Practices for Students with Learning Disabilities (SE) investigates specific teaching methods, use of assistive technology and programming practices as they pertain to reading, writing, language, mathematics, social skills, and metacognitive skills for students with identified learning disabilities.

CO: ED 3630

PR: ED 3630”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4540 as follows:

“4540 Inclusive Practices for Students with Speech/Language Disorders (SE) examines theoretically-sound and research-based methods for the identification and remediation of speech and language concerns in children and adolescents. Topics include typical language development; nature of developmental concerns for both speech (articulation, voice and fluency) and language (receptive, expressive and phonetic awareness); social use of language; and use of assistive technology. Particular focus will be placed on current interventions/strategies and programs/models. The course is aimed at supporting teachers in developing effective individualized programs.”

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4541 as follows:

Faculty of Education (cont'd)

“4541 Communication for the Deaf (SE) introduces communication strategies and patterns of language development for students with hearing impairment. A component of the course is designed to impart a degree of skill in practical usage of American Sign Language and Finger Spelling. The primary emphasis will be on manual systems of communication common to the deaf, as well as those systems in use as supplementary instructional methods at schools for the deaf.

Page 212, 2010-2011 Calendar, under the heading 5 Course Descriptions, amend Education 4543 as follows:

“4543 Inclusive Practices for Students with Hearing Loss (SE) examines the effects of hearing loss on language and social/emotional development in students and the resulting programming implications for the inclusive classroom. The course strives to prepare teachers to identify the needs of students with various degrees of hearing loss and develop effective programs to accommodate their needs. The use of assistive technology such as hearing aids, cochlear implants and other assistive listening devices will be discussed.”

57.21 Department of Chemistry

Page 366, 2010-2011 Calendar, under the heading 4.1.3 Biochemistry and Cell Biology Joint Honours, amend clause 4 to read “4. Chemistry 2300 or 2301, 2400, 2401, 2100; either 3410 or 3411.”

Page 366, 2010-2011 Calendar, under the heading 4.1.4 Biochemistry and Chemistry Joint Honours, amend clause 2 to read “2. Mathematics 2000 and 2050.” Amend clause 3 to read “3. Chemistry 2210, 2300 or 2301, 2302, 2400, 2401, 2100, 3211, 3303, 3410, 3411, 3500, 3110 and 6 further credit hours in Chemistry courses at the 4000 level.”

Page 368, 2010-2011 Calendar, under the heading 4.1.12 Chemistry and Earth Sciences Joint Honours, amend clause 3 to read “3. Chemistry 2210, 2301 (or 2300), 2302, 2400, 2401, 2100, 3500; plus 3211, 3303, 3410, and 3411 with the option of substituting up to 6 credit hours of these 3000-level courses with 4000-level Chemistry courses; and at least 3 additional credit hours in 4000-level Chemistry courses.” Amend clause 5 to read “5. Biology 2120 (or Biology 1001 and 1002) or Biochemistry 2101.”

Page 368, 2010-2011 Calendar, under the heading 4.1.13 Chemistry and Physics Joint Honours, amend clause 5 to read “5. Chemistry 1050 and 1051 (or Chemistry 1010, 1011 and 1031), 2100, 2210, 2300 or 2301, 2302, 2400, 2401 and 24 credit hours in Chemistry courses numbered 3000 or higher including Chemistry 3211, 3303, 3500, 4303 and 4304.”

Page 377, 2010-2011 Calendar, under the heading 7.1.2 Major in Biochemistry, amend clause 2.g. to read “One of Chemistry 2100, Environmental Sciences 3210, Environmental Sciences 3211.”

Page 377, 2010-2011 Calendar, under the heading 7.1.2.1 Honours Degree in Biochemistry, amend clause 3.h. to read “One of Chemistry 2100, Chemistry 3500, Environmental Sciences 3210, Environmental Sciences 3211.”

Department of Chemistry (cont'd)

Page 382, 2010-2011 Calendar, under the heading 7.3.3 Minor in Chemistry, delete the section and replace with the following:

“Candidates who take a minor in Chemistry will complete Chemistry 1050 and 1051 (or 1010, 1011 and 1031) or equivalent, Chemistry 2100, 2400, 2401, 2210, 2301 (or 2300) and 2302.”

Page 382, 2010-2011 Calendar, under the heading 7.3.4 General Degree - Major in Chemistry, amend clause 1 to read “1. Chemistry 1050 and 1051 (or 1010, 1011 and 1031) or equivalent, Chemistry 2301 (or 2300), Chemistry 2302, Chemistry 2210, 2400, 2401, 2100, 3210, 3211, 3303, Chemistry 3410, 3411, 3500 and 3110.” Amend clause 3 to read “3. Mathematics 1000, 1001, 2000 and 2050.”

Page 382, 2010-2011 Calendar, under the heading 7.3.5 Honours Degree in Chemistry, Required Courses, amend clause 1 to read “1. Chemistry 1050 and 1051 (or 1010, 1011 and 1031) or equivalent, 2301 (or 2300), 2302, Chemistry 2210, 2400, 2401, 2100, 3210, 3211, 3303, Chemistry 3410, 3411, 3500, 3110, 490A/B and 12 credit hours selected from the remaining 4000-level courses.” Amend clause 3 to read “3. Mathematics 1000, 1001, 2000 and 2050.”

Page 383, 2010-2011 Calendar, under the heading 7.3.6 Course Restrictions, at the end of the paragraph, insert new sentences “Students may obtain credit for only one of CHEM 2100 or the former CHEM 3100. Students may obtain credit for only one of CHEM 3110 or the former CHEM 4110, CHEM 4100 or CHEM 4101.”

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, renumber CHEM 3100 to 2100 and amend the course description as follows:

“**2100 Analytical Chemistry I (F) & (W)** is an introduction to analytical chemistry and includes preparation of samples and standards, calibration methods, statistical treatment of data, spectrophotometric trace analysis, gravimetric analysis and volumetric analysis including acid-based titrations, precipitation titrations, oxidation-reduction titrations, complexometric titrations and titrations in non-aqueous systems. Also introduced are liquid-liquid and other types of extraction, and chromatography with key methods of detection. Theoretical, practical and problem-solving aspects are covered. 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.

LC: 3

LH: 4

PR: CHEM 1051 (or 1001 or 1031) with a grade of at least 60%”

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, amend the course title for CHEM 2301 to read “**2301 Thermodynamics and Kinetics (F)**”.

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, amend the course title for CHEM 2302 to read “**2302 Quantum Chemistry and Spectroscopy (W)**”.

Department of Chemistry (cont'd)

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, renumber CHEM 4110 to "3110" and amend the course description as follows:

"3110 Analytical Chemistry II (F) builds upon the student's knowledge from CHEM 2100 (Analytical Chemistry I) and applies it to a more advanced level of instrumental quantitative analysis. The course examines error treatment, atomic emission and absorption spectroscopy, gas and liquid chromatography, capillary electrophoresis and supercritical fluid chromatography and extraction techniques, electroanalytical chemistry, molecular and atomic mass spectrometry, x-ray spectroscopy, ion and electron spectroscopy, surface analysis techniques and thermogravimetric analysis.

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: Students may obtain credit for only one of the following: CHEM 3110, the former CHEM 4110, CHEM 4100, or CHEM 4101

LC: 3

LH: 3

PR: CHEM 2100 or the former CHEM 3100"

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, insert the following new course:

"3210 Main Group and Materials Chemistry (F) is a detailed examination of the chemistry of the s and p block elements and modern applications of inorganic chemistry in materials and nanotechnology.

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

LC: 3

LH: 3

PR: CHEM 2210 and CHEM 2302 (or 2300)"

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, amend the course title for CHEM 3303 to read "3303 Statistical Thermodynamics and Rate Theories (W)".

Page 407, 2010-2011 Calendar, under the heading 8.3 Chemistry, amend the course title and description for CHEM 490A/B as follows:

"490A/B Honours Research in Chemistry is available only to students in Chemistry Honours or Chemistry Joint Honours Programs. These courses are two single-semester, linked courses based on independent research carried out under the supervision of a faculty member in the Department of Chemistry. Research undertaken for these courses must have a clear disconnect from any research previously conducted. These courses are mandatory for Honours Chemistry students. A grade of pass in 490A is required to proceed to 490B. A written thesis is to be handed in by the end of the course. 490A and 490B are to be taken in the fall and winter semesters in the same academic year.

CH: 6

PR: admission to the Honours Chemistry Program or Chemistry Joint Honours Program and honours standing

UL: may be taken by students not in an Honours program or without Honours standing with the permission of the Head of the Department and a research supervisor."

57.22 Department of Biochemistry

Page 401, 2010-2011 Calendar, under the heading 8.1 Biochemistry, insert the following new courses:

“3203 Fundamentals of Human Nutrition is the cornerstone course for the study of nutrition. The sources, uptake and physiologic roles of essential nutrients will be discussed in the context of growth, maintenance, reproduction and overall health in humans.

CO: BIOC 3106

CR: the former BIOC 3201

PR: BIOC 2101, 2600

3600 Sports and Exercise Nutrition deals with the specific roles of nutrients in sport and exercise, and the application of nutrition to sport and exercise.

CR: Biochemistry 4241

PR: BIOC 2600 or HKR 2600 or the former BIOC 3200/3201; and one of BIOC 311B, MED 310B, HKR 2320”

Page 367, 2010-2011 Calendar, under the heading 4.1.7 Biochemistry (Nutrition) and Psychology (Behavioural Neuroscience) Joint Honours, delete clause 2 and replace with the following:

“2. Biochemistry 2100, 2101, 2600, 3106, 3203, 4002, 4300, 4301, 4502, Medicine 310A/B; one course chosen from: Biochemistry 3105, 3108, 3202, 3402, 3600, 4101, 4103, 4104, 4105, 4200, 4201, 4210, 4211, 4220, 4230-4249, Biology 3050.”

Page 377, 2010-2011 Calendar, under the heading 7.1.2 Major in Biochemistry, delete clause 2.b. and replace with the following:

“2.b. At least 12 credit hours in courses from Biochemistry 2600, 3203, 4002, 4101, 4103, 4104, 4200, 4201, 4230-4239.”

Page 377, 2010-2011 Calendar, under the heading 7.1.2.1 Honours Degree in Biochemistry, delete clause 3.d. and replace with the following:

“3.d. at least 6 credit hours in courses from Biochemistry 2600, 3203, 4105, 4220, 4240-4249, Biology 2060, 3050, 3530, 4200, 4245, 4404, Chemistry 4201.”

Page 378, 2010-2011 Calendar, under the heading 7.1.2.2 Minor in Biochemistry, (i) delete clause 2 and replace with the following: “2. One of Biochemistry 2100, Biochemistry 2600, Biology 2250”; and (ii) at the end of courses listed in clause 3, insert “or Biology 3050”.

Page 378, 2010-2011 Calendar, under the heading 7.1.3.1 Major in Nutrition, delete clause 2.a. and replace with the following:

“2.a. Biochemistry 2000 or 2005, 2100, 2101, 2600, 3106, 3203, 3402, 4300, 4301, Medicine 310A/B”.

Page 378, 2010-2011 Calendar, under the heading 7.1.3.1 Major in Nutrition, delete clause 2.b. and replace with the following:

“2.b. six credit hours in courses from Biochemistry 3107, 3108, 3202, 3600, 4002, 4101, 4103, 4104, 4200, 4201, 4230-4249, Biology 3050”

Department of Biochemistry (cont'd)

Page 378, 2010-2011 Calendar, under the heading 7.1.3.2 Honours Degree in Nutrition, delete clause 3.a. and replace with the following:

“3.a. Biochemistry 2000 or 2005, 2100, 2101, 2600, 3106, 3107, 3203, 3402, 3600, 4002, 4300, 4301, 4502, 499A, 499B, Medicine 310A/B”

Page 378, 2010-2011 Calendar, under the heading 7.1.3.2 Honours Degree in Nutrition, delete clause 3.c. and renumber subsequent clauses d, f, as “c, e”.

Page 401, 2010-2011 Calendar, under the heading 8.1 Biochemistry, delete BIOC courses “3200, 3201, and 4999.” For BIOC 2100, add “CR: Biology 2250”. For BIOC 2600, delete “CR and UL.” For BIOC 3202, replace “CO: 3201” with “CO: 3203” and delete the “PR”. For BIOC 4240, delete the “PR” and replace with “PR: BIOC 2100, 3106, and one of 3200 or 3203”. For BIOC 4300 and 4301, delete the “PR” and replace with “PR: BIOC 3200/3201 or 3203, and either Biochemistry 311B or Medicine 310B”.

Page 375, 2010-2011 Calendar, under the heading 5.5 Regulations for the Honours Degree of Bachelor of Science, in clause 2.b., Note 1, remove the word “Dietetics.”

Page 377, 2010-2011 Calendar, under the heading 7.1 Biochemistry, remove clause “7” and renumber clauses 8 and 9 as “7 and 8.” Under the same heading, add a new paragraph immediately following old clause 9, now renumbered as 8 as follows:

“The Dietetics degree program formerly offered by the Department of Biochemistry has been cancelled. In its place, a new program has been developed jointly with Acadia University. Complete details on this program can be found in the Dietetics section of the Faculty of Science program regulations.”

Page 377, 2010-2011 Calendar, under the heading 7.1.1 Admission to Programs, remove “Note: For further...to Biochemistry (Dietetics).”

Page 379, 2010-2011 Calendar, remove the entire section “7.1.4 Professional Program in Dietetics.”

Page 403, 2010-2011 Calendar, under the heading 8.1 Biochemistry, for the course BIOC 4240 delete the “PR” and replace with “PR: BIOC 2100 or BIOL 2250; BIOC 3106; and one of the former BIOC 3200 or 3203”.

57.23 Departments of Mathematics and Statistics and Chemistry

Page 365, 2010-2011 Calendar, under the heading 4.1.1 Applied Mathematics and Chemistry Joint Honours (B.Sc. Only), delete the section and replace with the following:

1. English 1080 and English 1110 (or equivalent).
2. A computing course. Computer Science 1510 is recommended.
3. Biochemistry 2101.
4. Physics 1050 (or 1020) and 1051.

Departments of Mathematics and Statistics and Chemistry (cont'd)

5. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 3000, 3001, 3132, 3161, 3202, 3210, 3260, 4160.
6. Chemistry 1050 and 1051 (or 1010, 1011 and 1031), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210 or 3211, 3303, 3500.
7. Six additional credit hours chosen from courses numbered 3000 or higher that are offered by the Department of Chemistry.
8. Mathematics 419A/B or Chemistry 490A/B.
9. A sufficient number of elective courses to bring the degree up to a total of 120 credit hours.”

Page 387, 2010-2011 Calendar, under the heading 7.8.1 Regulations, delete clauses 2 and 4. Renumber clause 3 to “2” and 5, 6, and 7 to “3, 4, and 5.” Amend clause 5.a. to read “a. For the current academic year the Mathematics Placement Test (MPT) will be used to determine placement in the following courses: Mathematics 1000, Mathematics 1050, Mathematics 1051, Mathematics 1090, and Statistics 1510.”

57.24 Department of Mathematics and Statistics

Page 416, 2010-2011 Calendar, under the heading 8.8.4 Statistics Courses, insert the following new course:

“1510 Statistical Thinking and Concepts (F) & (W) examines the basic statistical issues encountered in everyday life, such as data collection (both primary and secondary), ethical issues, planning and conducting statistically-designed experiments, understanding the measurement process, data summarization, measures of central tendency and dispersion, basic concepts of probability, understanding sampling distributions, the central limit theorem based on simulations (without proof), linear regression, concepts of confidence intervals and testing of hypotheses. Statistical software will be used to demonstrate each technique. This course will have one 90-minute lab per week.

CR: cannot receive credit for STAT 1510 if completed with, or subsequent to, STAT 2500, 2510 or 2550

PR: MATH 1090 or a combination of placement test and high school Mathematics scores acceptable to the Department. This is the same prerequisite as for MATH 1000.”

Page 389, 2010-2011 Calendar, under the heading 7.8.11 Minor in Statistics, amend clause 1 to read “1. Mathematics 1000, 1001; Statistics 1510 or 2500 or 2510, Statistics 2501 or 2560.”

Page 388, 2010-2011 Calendar, under the heading 7.8.6 Major in Statistics, delete the section and replace with the following:

“Students shall complete the following requirements:

1. Mathematics 1000, 1001, 2000, 2050, 2051, Statistics 2560, 3410, 3411, 3520, 3521, 3530;
2. One of Statistics 1510, 2500, 2510 or 2550;
3. Nine further credit hours in Statistics courses numbered 3000 or higher, at least 6 credit hours of which must be in courses numbered 4000 or higher excluding Statistics 4581;

Department of Mathematics and Statistics (cont'd)

4. Computer Science 2602.

5. Mathematics 3000 and 3001 are recommended.”

Page 389, 2010-2011 Calendar, under the heading 7.8.9 Honours in Statistics, in clause 1, add “Statistics 2560” before 3410. Insert new clause 2 to read “2. One of Statistics 1510, 2500, 2510 or 2550.” Renumber old clauses 2, 3, 4, and 5 to “3, 4, 5, and 6.”

Page 418, 2010-2011 Calendar, under the heading 8.8.4 Statistics Courses, for STAT 2560, amend the prerequisite to read “PR: STAT 1510 or 2500 or 2510 or 2550, Mathematics 1000 (or the former 1081)”.

57.25 Department of Computer Science

Page 383, 2010-2011 Calendar, under the heading 7.4.1 Major in Computer Science, in clause 2, amend Statistics 2510 to read “Statistics 1510 or 2510.”

Page 383, 2010-2011 Calendar, under the heading 7.4.2 Honours in Computer Science, in clause 3, amend Statistics 2510 to read “Statistics 1510 or 2510.”

Page 383, 2010-2011 Calendar, under the heading 7.4.3 Honours in Computer Science (Software Engineering) (B.Sc. Only), in clause 3, amend Statistics 2510 to read “Statistics 1510 or 2510.”

Page 410, 2010-2011 Calendar, under the heading 8.4.4 Fourth Year Courses, after the course description for COMP 4761 insert “While this is an inactive course, should it be reactivated in the future, the prerequisites should be updated as follows: PR: COMP 2760, COMP 3719, and Statistics 1510 or 2510.”

Page 410, 2010-2011 Calendar, under the heading 8.4.4 Fourth Year Courses, for the course COMP 4766, amend the prerequisite to read “PR: COMP 2711, Mathematics 2000, Mathematics 2050, and Statistics 1510 or 2510.”

57.26 Department of Psychology

Page 392, 2010-2011 Calendar, under the heading 7.10.1 Admission to Major Programs, amend the first paragraph to read as follows:

“Admission to the Major programs in the Department of Psychology is competitive and selective. Students who wish to enter these programs must submit a completed application form to the Psychology Department by June 1 for Fall semester registration. When resources permit, applications will also be considered if received by October 1 for Winter semester.”

Page 421, 2010-2011 Calendar, under the heading 8.10.1 Non-Restricted Courses, amend the course descriptions for 1000 and 1001 as follows:

“**1000 Introduction to Psychology** is the first half of a two-semester introduction to Psychology as a biological and social science. Topics may include history, research methodology, behavioural neuroscience, sensation and perception, consciousness, learning, and memory.

Department of Psychology (cont'd)

1001 Introduction to Psychology is the second half of a two-semester introduction to Psychology as a biological and social science. Topics may include emotion, motivation, stress and health, personality and individuality, psychological disorders and treatment, and social psychology.
PR: PSYC 1000”

Page 422, 2010-2011 Calendar, under the heading 8.10.2 Majors Courses, amend course descriptions for the following courses:

“**4050 Selected Topics in Developmental Psychology I** is an intensive examination of a specific topic in developmental psychology.
PR: PSYC 3050 or the former 3051 and admission to a Major in Psychology or Behavioural Neuroscience

4051 Selected Topics in Developmental Psychology II is an intensive examination of a specific topic in developmental psychology.
PR: PSYC 3050 or the former 3051 and admission to a Major in Psychology or Behavioural Neuroscience

4150 Selected Topics in Social Psychology I is an intensive examination of a specific topic in social psychology.
PR: PSYC 3100 or the former PSYC 3160 and admission to a Major in Psychology or Behavioural Neuroscience

4151 Selected Topics in Social Psychology II is an intensive examination of a specific topic in social psychology.
PR: PSYC 3100 or the former PSYC 3160 and admission to a Major in Psychology or Behavioural Neuroscience

4152 Selected Topics in Applied Social Psychology is an intensive examination of a specific topic in applied social psychology.
PR: PSYC 3100 or the former PSYC 3160 and admission to a Major in Psychology or Behavioural Neuroscience

4250 Selected Topics in Learning and Motivation I is an intensive examination of a specific topic in learning and motivation.
PR: the former PSYC 2250 or PSYC 3250 and admission to a Major in Psychology or Behavioural Neuroscience

4251 Selected Topics in Learning and Motivation II is an intensive examination of a specific topic in learning and motivation.
PR: the former PSYC 2250 or PSYC 3250 and admission to a Major in Psychology or Behavioural Neuroscience

4350 Selected Topics in Perception I is an intensive examination of a specific topic in perception.
PR: the former PSYC 2360 or PSYC 3350 and admission to a Major in Psychology or Behavioural Neuroscience

4351 Selected Topics in Perception II is an intensive examination of a specific topic in perception.
PR: the former PSYC 2360 or PSYC 3350 and admission to a Major in Psychology or Behavioural Neuroscience”

Department of Psychology (cont'd)

Page 422, 2010-2011 Calendar, under the heading 8.10.2 Major Courses, renumber 4400 to “4450”, 4401 to “4451”, and 4402 to “4453.” Amend the course descriptions to read as follows:

“4450 Selected Topics in Cognition I is an intensive examination of a specific topic in cognition.

CR: the former PSYC 4400

PR: PSYC 3450 and admission to a Major in Psychology or Behavioural Neuroscience

4451 Selected Topics in Cognition II is an intensive examination of a specific topic in cognition.

CR: the former PSYC 4401

PR: PSYC 3450 and admission to a Major in Psychology or Behavioural Neuroscience

4453 Selected Topics in Cognitive Science is an intensive examination of a specific topic in cognitive science from a psychological perspective.

CR: the former PSYC 4402

PR: two courses chosen from PSYC 3050, 3250, 3350, 3450, 3801 and admission to a Major in Psychology or Behavioural Neuroscience”

Page 422, 2010-2011 Calendar, under the heading 8.10.2 Major Courses, amend course descriptions for the following courses:

“4452 Selected Topics in Cognition: Reading is an intensive examination of a specific topic in reading and dyslexia.

PR: PSYC 3450 and admission to a Major in Psychology or Behavioural Neuroscience

4500 Selected Topics in Psychology I is an intensive examination of a specific topic in psychology that crosses traditional subdisciplines.

PR: two 3000-level majors courses (other than 3900) and admission to a Major in Psychology or Behavioural Neuroscience

4501 Selected Topics in Psychology II is an intensive examination of a specific topic in psychology that crosses traditional subdisciplines.

PR: two 3000-level majors courses (other than 3900) and admission to a Major in Psychology or Behavioural Neuroscience

4610 Selected Topics in Personality I is an intensive examination of a specific topic in personality.

PR: the former PSYC 2620 or PSYC 3620 and admission to a Major in Psychology or Behavioural Neuroscience

4620 Selected Topics in Personality II is an intensive examination of a specific topic in personality.

PR: the former PSYC 2620 or PSYC 3620 and admission to a Major in Psychology or Behavioural Neuroscience

4650 Selected Topics in Abnormal Behaviour I is an intensive examination of a specific topic in abnormal behaviour.

PR: PSYC 3650 and admission to a Major in Psychology or Behavioural Neuroscience

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4651 Selected Topics in Abnormal Behaviour II is an intensive examination of a specific topic in abnormal behaviour.

PR: PSYC 3650 and admission to a Major in Psychology or Behavioural Neuroscience

4750 Selected Topics in Animal Behaviour I is an intensive examination of a specific topic in animal behaviour.

PR: PSYC 3750 or Biology 3750 and admission to a Major in Psychology or Behavioural Neuroscience

4751 Selected Topics in Animal Behaviour II is an intensive examination of a specific topic in animal behaviour.

PR: PSYC 3750 or Biology 3750 and admission to a Major in Psychology or Behavioural Neuroscience

4850 Selected Topics in Behavioural Neuroscience I is an intensive examination of a specific topic in behavioural neuroscience.

PR: PSYC 2810; or 3800 or 3801 and admission to a Major in Psychology or Behavioural Neuroscience

4851 Selected Topics in Behavioural Neuroscience II is an intensive examination of a specific topic in behavioural neuroscience.

PR: PSYC 2810; or 3800 or 3801 and admission to a Major in Psychology or Behavioural Neuroscience”

Page 422, 2010-2011 Calendar, under the heading 8.10.2 Majors Courses, rename Psychology course “4870 Neuroscience Research” to “4870 Research Experience in Neuroscience.”

Page 393, 2010-2011 Calendar, under the heading 7.10.3 Requirements for a Major in Psychology, after clause 2.c. insert the following note:

“Note: First year students should think carefully about whether Chemistry or Physics best suits their future program needs. Students should examine the prerequisites for upper-level Psychology courses and attempt to take them in their first year.”

Page 393, 2010-2011 Calendar, under the heading 7.10.5 Requirements for a Major in Behavioural Neuroscience (B.Sc. Only), in the second paragraph, “A program is...the Honours degree” amend the second sentence to read “Students planning to enroll in the program are advised to consult with the Head of the Department at the earliest opportunity because certain course choices may restrict later options.”

57.27 Department of Earth Sciences

Page 413, 2010-2011 Calendar, under the heading 8.5.4 Fourth Year, for the course EASC 4179, amend the prerequisite to read “PR: EASC 3170 and 3179”.

57.28 Grenfell Campus

Page 469, 2010-2011 Calendar, under the heading 10.18 Humanities, delete the courses Humanities “3000 and 4000.”

Grenfell Campus (cont'd)

Page 433, 2010-2011 Calendar, under the heading 4.2 Major, under clause 4, after “Division of Arts: English, Historical Studies” insert “Humanities”. Delete “Division of Arts: Humanities” under “Interdisciplinary majors are available in following areas:”.

Page 436, under the heading 6.3 Major in Humanities, delete the section and replace with the following:

“Program Chair: Dr. L. Sherlow

The Major consists of 45 credit hours as follows:

- a. 39 credit hours (HUMN 1001, 1002, 2001, 2002, 2010, 3001, 3002, 3010, 4001, 4010, 4950; one of 3100-3109; one of 4020-29).
- b. Language requirement: 6 credit hours in a single language other than English.”

Page 437, 2010-2011 Calendar, under the heading 6.4 Minor Programs - Division of Arts, delete clause 5 and replace with the following:

“5. Humanities Minor:

- a. HUMN 1001 and 1002
- b. 6 credit hours from HUMN 2001, 2002, or 2010
- c. 12 credit hours from HUMN 3001, 3002, 3010, 4001, 4010, 3020, 3021; one of 3100-3109; one of 4020-29”

Page 469, 2010-2011 Calendar, under the heading 10.18 Humanities, insert the following new courses:

“1001 Humanities and the Contemporary World is a study of the relevance of humanities disciplines and texts to contemporary cultural forms and practices such as movies, popular music, television, comic books, graphic novels, professional sports, etc. The course will also focus on the mastery of composition skills. The course is a designated writing (W) course.

1002 Six Texts That Changed the World is a study of six humanities texts which have helped to shape Western Civilization. The course is a designated writing (W) course.

PR: Humanities 1001

2001 Humanities in the Ancient World is a study of major cultural developments and achievements in art, literature, religion, philosophy, and science in the ancient Mediterranean during the period 4000 BCE to 400 CE. The course explores the great ancient civilizations of the Near East, Greece, and Rome and their influence on the shaping of Western culture and society. The course is a designated writing (W) course.

PR: Humanities 1001 and 1002

2002 Thought and Society in the Medieval World this course examines the development of medieval civilization through the consideration of thought, art, spirituality and politics. Medieval culture will be examined largely through primary texts centered on a series of key themes and historical-cultural watersheds. These texts will be contained in a course pack designed for this course. The course is a designated writing (W) course.

PR: Humanities 1001 and 1002

Grenfell Campus (cont'd)

2010 Themes in Humanities (Interdisciplinary Seminar) is a seminar course in which themes have common interest to the Humanities will be discussed from the perspective of the various disciplines. The course is a designated writing (W) course.

CR: the former HUMN 3000

PR: HUMN 1001 and 1002

3001 Humanities in the Early Modern Period is a study of the major cultural developments and achievements in art, literature, religion, philosophy, and science in Western Europe during the period 1450-1650. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

3002 Humanities in the Modern World this course examines emerging conceptions of the modern self and its expression in philosophy, science, political revolution and constitution, visual art and literature during the period 1650-1850. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

3010 The Nature of Interpretation in Humanities introduces students to central concepts and debates concerning the sorts of interpretation that distinguish Humanities as a discipline. Students gain familiarity with contemporary and historical approaches. The course is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

4001 Humanities Postmodern is a study of major developments in the evolution of culture, thought, arts, science, and beliefs in the Western world from the nineteenth century to the present day. The course is a designated writing (W) course.

PR: 12 credit hours in Humanities with at least 3 credit hours at the 3000-level

4010 Authors, Events, and Texts is a seminar course in which themes having common interest to the Humanities will be discussed from the perspectives of the various disciplines. This course focuses on close readings of its subject matter and is distinct from theme-oriented courses in Humanities. The course is a designated writing (W) course.

CR: the former HUMN 4000

PR: 24 credit hours in Humanities including Humanities 3010

3020 Humanities and the Environment is an examination of the human understanding of the natural world from the perspectives of the literary arts, the visual arts, and music and religion. It is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours in at the 2000-level

3021 East Meets West - Asian Traditions and the Humanities is an examination of the influence of Asian currents of thought in the West in literature, philosophy, the visual arts, music and popular culture. This is a designated writing (W) course.

PR: 9 credit hours in Humanities with at least 3 credit hours in at the 2000-level

3100-3109 Special Topics in Humanities

PR: 9 credit hours in Humanities with at least 3 credit hours at the 2000-level

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4020-29 Special Topics”

Page 469, 2010-2011 Calendar, under the heading 10.18 Humanities, amend the course title and prerequisite for 4950 as follows:

“4950 Independent Project (Directed Research)
PR: 24 credit hours in Humanities including HUMN 3010”

Page 432, 2010-2011 Calendar, under the heading 3.1 Designated Writing Courses (W), make the following changes:

Remove “Business 1201” and insert “1210, 2010, 2210, 3310, 5220, 6800, 7000, 7050, and 7600”

Amend “English: All English...1110 and 2010” to read “English: All English courses listed with the Grenfell Campus English Program and English 2010”

Amend “History: All history...Historical Studies Program” to read “History: All history courses listed with the Grenfell Campus Historical Studies Program”

Page 433, 2010-2011 Calendar, under the heading 3.2 Designated Quantitative Reasoning and Analysis Courses (QRA), make the following change:

Under Social Science, remove “Business 2401” and insert “2400, 3101, 3401, and 5500”

Page 440, 2010-2011 Calendar, under the heading 7.5.1 Regulations for the Degree of Bachelor of Business Administration (B.B.A.), in the first sentence, delete the words “Sir Wilfred” and “College.” Amend the last sentence to read “Students also have an opportunity to further specialize in areas of contemporary business studies or small business and entrepreneurship.”

Page 440, 2010-2011 Calendar, under the heading 7.5.2.1 Direct Entry (for High School Students), uppercase and bold the words “**UNDERGRADUATE APPLICATION FOR ADMISSION/READMISSION.**”

Page 440, 2010-2011 Calendar, under the heading 7.5.2.2 Advanced Standing (for Current Memorial University of Newfoundland Students), delete clauses 1, 2, and 3 and replace with the following paragraph:

“Current Memorial University of Newfoundland students should select the BBA program on Grenfell’s **DECLARATION/CHANGE ACADEMIC PROGRAM** form, which must then be signed by the Business Program Chair.”

Page 440, under the heading 7.5.2.3 Transfers from Other Post-Secondary Institutions, under clause 1, in the first sentence “Students who are...of transfer credits” delete “universities” and replace with “post secondary institutions”. Under clause 2, delete the first sentence, “Subject to Advanced...the B.B.A. program” and replace with “Graduates of a community college business diploma program may also be considered for admission with advanced standing into the B.B.A. program.”

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Page 440, 2010-2011 Calendar, under the heading 7.5.3 The Curriculum, delete the section and replace with the following:

“1. The Bachelor of Business Administration requires a total of 120 credit hours; candidates for graduation must achieve a Grade Point Average of at least 2.5 and an overall numeric average of at least 60% on those 120 credit hours.

2. Students must complete 75 credit hours as follows:

- a. Economics 2010 and 2020
- b. Six credit hours in first-year English which must include English 1110
- c. Mathematics 1000
- d. Statistics 2500
- e. Business 1000, 1101, 1210, 1600, 2010, 2101, 2210, 2400, 2700, 3310, 3401, 4000, 4050, 4320, 4330, 4500, 5301, 7000, and 7010.

Note: Students who have received credit for both English 1000 and 1001 prior to Fall 2011 will not be required to complete English 1110.

3. Students must complete 15 credit hours from one of the following areas of concentration:

a. Contemporary Business Studies

i. 9 credit hours as follows:

- * Business 3350
- * Business 5302
- * Business 7050

ii. 6 credit hours chosen from:

- * Business 3101
- * Business 5220
- * Business 5500
- * Business 5600
- * Economics 3150

b. Small Business and Entrepreneurship

i. 9 credit hours as follows:

- * Business 5220
- * Business 5600
- * Business 7600

ii. 6 credit hours chosen from:

- * Business 3210
- * Business 6500
- * Business 6600
- * Business 6610
- * Business 7610

4. Students must complete an additional 30 credit hours to make up the total 120 credit hours required for the degree of B.B.A. When selecting these courses, students are reminded that the **Core Requirements** for a Grenfell degree program must be met. In addition, if students choose to complete a minor within the B.B.A. program, they are advised to choose their electives

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carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.”

Page 441, 2010-2011 Calendar, remove the section “7.5.5 Continuation”. Renumber subsequent sections accordingly.

Page 442, 2010-2011 Calendar, under section 7.5.5 Recommended Course of Study for B.B.A. Curriculum, delete the tables 7.5.5.1 and 7.5.5.2 and replace with the following:

“7.5.5.1 Contemporary Business Studies Table

<p><u>Complete by the end of Year 1</u></p> <ul style="list-style-type: none"> • Business 1000 • Economics 2010 • Economics 2020 • Six credit hours in first-year English which must include English 1110 • Mathematics 1000* • Twelve credit hours in non-business elective courses**
<p><u>Complete by the end of Year 2</u></p> <ul style="list-style-type: none"> • Business 1101 • Business 1210 • Business 1600 • Business 2010 • Business 2101 • Business 2210 • Business 3310 • Statistics 2500 • Six credit hours in elective courses**
<p><u>Complete by the end of Year 3</u></p> <ul style="list-style-type: none"> • Business 2400 • Business 2700 • Business 3350 • Business 3401 • Business 4000 • Business 4320 • Business 4330 • Business 4500 • Three credit hours from concentration electives*** • Three credit hours in other elective courses**
<p><u>Complete by the end of Year 4</u></p> <ul style="list-style-type: none"> • Business 4050 • Business 5301 • Business 5302 • Business 7000 • Business 7010 • Business 7050 • Three credit hours from concentration electives *** • Nine credit hours in other elective courses**

*Depending on the level of preparation in Mathematics, students may be required to complete Mathematics 1090 as a prerequisite for Mathematics 1000.

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When choosing electives, students are reminded that **Core Requirements for a Grenfell degree program must be met. In addition, if students choose to complete a minor within the B.B.A. program, they are advised to choose their electives carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.

***Concentration electives for Contemporary Business Studies must be selected from **The Curriculum**, 3a.

7.5.5.2 Small Business and Entrepreneurship Concentration Table

<p><u>Complete by the end of Year 1</u></p> <ul style="list-style-type: none"> • Business 1000 • Economics 2010 • Economics 2020 • Six credit hours in first-year English which must include English 1110 • Mathematics 1000* • Twelve credit hours in non-business elective courses**
<p><u>Complete by the end of Year 2</u></p> <ul style="list-style-type: none"> • Business 1101 • Business 1210 • Business 1600 • Business 2010 • Business 2101 • Business 2210 • Business 3310 • Statistics 2500 • Six credit hours in elective courses**
<p><u>Complete by the end of Year 3</u></p> <ul style="list-style-type: none"> • Business 2400 • Business 2700 • Business 3401 • Business 4000 • Business 4320 • Business 4330 • Business 4500 • Business 5220 • Three credit hours from concentration electives*** • Three credit hours in other elective courses**
<p><u>Complete by the end of Year 4</u></p> <ul style="list-style-type: none"> • Business 4050 • Business 5301 • Business 5600 • Business 7000 • Business 7010 • Business 7600 • Three credit hours from concentration electives*** • Nine credit hours in other elective courses**

*Depending on the level of preparation in Mathematics, students may be required to complete Mathematics 1090 as a prerequisite for Mathematics 1000.

When choosing electives, students are reminded that **Core Requirements for a Grenfell degree program must be met. In addition, if students choose to complete a

Grenfell Campus (cont'd)

minor within the B.B.A. program, they are advised to choose their electives carefully so that they will also meet the requirements for the chosen Minor program as set forth in the University Calendar.

***Concentration electives for Small Business and Entrepreneurship must be selected from **The Curriculum**, 3b.”

Page 443, 2010-2011 Calendar, delete the section “7.5.5.3 Regional Economic Development Concentration Table.”

Page 443, 2010-2011 Calendar, under the heading 7.7 Minor Programs - Division of Social Science, delete clause 1 and replace with the following:

“1. Minor in Business

a. Students completing a minor in Business must declare their intent to do so on the **CHANGE OF ACADEMIC PROGRAM** form, which then be approved by the Chair of the Business Program.

b. A minor in Business consists of 24 credit hours. Students must complete 18 credit hours as follows: Business 1000, 1101, 1210, 3310, 4500, and 7010. The remaining 6 credit hours must be chosen from Business 1600, 2101, 2210, 3350, 4000, 4050, 4320, or 7302.

c. Course prerequisites to all Business courses will apply to a Business minor. Students should note, for example, that the prerequisites for Business 4500 are Business 1101, Statistics 2500 and Economics 2010, and the enrolment in Business 7010 requires permission of the Chair of Business. It should also be noted that some courses are not offered every semester.”

Page 476, 2010-2011 Calendar, under the heading 10.30.1 Core Program Course Descriptions, for the course Tourism 2201, amend the credit restriction to read “CR: Business 1210 and HKR 3565”.

Page 455, 2010-2011 Calendar, under the heading 10.4 Business, in the first paragraph, “Enrolment in Business...St. John’s campus” insert the word “some” after “Enrolment in”.

Page 455, 2010-2011 Calendar, under the heading 10.4.1 Core Program Course Descriptions, make the following changes:

Amend course title and description for Business 1000 to read:

“1000 Introduction to Business in Society introduces the basics of business and business corporations in society, in a real-world relevant manner. Particular attention is given to societal stakeholders and to corporations’ internal business processes and management functions. Major emphases include corporate social responsibilities and management ethics, and these are recurring themes in other topics such as technology, globalization and people in organizations. The course is a combination of textbook theory and guided learning activities and assignments based on finding and integrating real-world information.

CR: the former Business 2001”

Delete the course **“BUSI 1201.”**

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Insert new course BUSI 1210 to read:

“1210 Introduction to Marketing Strategy (W) 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 Business 1201 or 2201 or 3200, Tourism Studies 2201
PR: English 1110 or 1021, Business 1000, Economics 2010, Economics 2020”

Amend the prerequisite for course Business 1600 to read “PR: Business 1000, and English 1110 or 1021”.

Delete the course “**BUSI 2000**”.

Insert new course BUSI 2010 to read:

“2010 Business Research and Writing (W) introduces students to research, writing, and reporting processes in business. Through ongoing, multi-stage evaluation, students learn the fundamentals of business research, including analytical thinking and proposal writing involving research using secondary sources. A key focus is the writing process, including grammar, punctuation, structure, flow, and format in common business communications media. Students also develop their oral presentation competence by presenting the results of their research. A highly interactive design encourages student practice and participation.
CR: Business 2000
PR: Business 1000, and English 1110 or 1021”

Insert new course BUSI 2210 to read:

“2210 Introduction to Marketing Tactics (W) 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 Business 1201 or 2201 or 3200, Tourism Studies 2201
PR: Business 1210, Mathematics 1000”

Delete the course “**BUSI 2301**”.

Insert new course BUSI 2400 to read:

“2400 Decision Modeling (QRA) provides an introduction to: spreadsheet modeling; linear optimization and the related topics of integer, assignment, and transportation models; and decision analysis including payoff matrices, decision trees, and Bayesian revision. All topics will be taught within the context of business applications.
CO: Statistics 2500
CR: the former Business 4401
PR: Mathematics 1000”

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Delete the course “**BUSI 2401**”.

Insert prerequisite for the course Business 2700 to read “PR: Business 1000” and amend the Usage Limitation(s) to read “UL: cannot be used as a Business elective in programs offered by the Faculty of Business Administration”.

Insert new course BUSI 3310 to read:

“**3310 Organizational Behaviour (W)** (formerly Business 2301 and 4300) focuses on the study of individual and group processes in formal organizations. The student is introduced to the nature of work, the systematic approach to the study of behaviour, organizational roles and socialization, motivation, leadership, communication, and group dynamics.
CR: the former Business 2301 and the former Business 4300
PR: English 1110 or 1021”

Amend the course title and description for BUSI 3401 to read:

“**3401 Operations Management (QRA)** teaches fundamental concepts, methods, tools, and techniques to understand, analyze, and effectively manage as well as improve operations in business organizations. The course covers operations competitiveness and strategy, productivity, forecasting, capacity planning, material requirements planning, waiting lines analysis, project management, inventory management, quality control and its improvement, and supply chain management.
CR: the former Business 5400
PR: Statistics 2500, and Business 2400 or the former Business 2401”

Insert new course BUSI 4050 to read:

“**4050 Strategic Management 1** introduces students to the strategic management approach. The course builds upon the knowledge and concepts developed in Business 1000 and prepares students for later business courses in their programs, especially Business 7000. Through experience and analysis in and of real or reality-based situations and issues, students will develop critical and integrative thinking and information literacy. Activity and action components of the strategic management process are the basis for student learning. The purpose of this course is to recognize the importance of situational analysis and strategy in the management process, including business functional and organizational integrative thinking, and decision-making regarding courses of action, resource allocation, and leadership.
CO: Business 4000 and 4330
PR: Business 1600, 2010, 2101, 2210, 2400, 3310, 3401”

Amend the course description for BUSI 4320 to read:

“**4320 Human Resource Management** introduces the student to the design, operation and management of HRM processes, their evaluation, and their contribution to employee and organization effectiveness. The principal processes considered are staffing, development, employment relations, and compensation. Consideration of the influence of relevant organizational and external conditions on HRM is included. The course views the management of human resources as the joint responsibility of line and HRM managers.
PR: Business 3310 or the former Business 2301”

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Insert new course BUSI 4330 to read:

“4330 Introduction to Labour Relations (formerly Business 3320) provides an introduction to the field of industrial and labour relations in Canada, with primary emphasis on the labour-management relationship. Students will be introduced to the basic elements of an industrial relations system, including the participants, their roles and relationships, the social economic, legal and political environment in which the participants interact, and the process and outcomes of collective bargaining. Students may be exposed to various role playing exercises that are applicable to industrial and labour relations.

CR: the former Business 3320

PR: English 1110 or English 1021”

Amend the prerequisite for BUSI 5301 to read “PR: Business 3310 or the former Business 2301”.

Amend course title and description for BUSI 7000 to read:

“7000 Strategic Management 2 (W) emphasizes concepts of strategic management and strategy in various contexts and situations covering corporations and businesses, and other institutions or organizations and their purposeful activities. Through in-depth analysis of reality-based situations and strategic issues, students will develop their contextual and situational orientation, and further develop their applied, investigative critical thinking and information search skills. Further, students will be expected to develop an applied ability in the contextual and situational analysis of corporation/businesses and institutions/purposeful activities, and in corresponding strategy formulation and planning for strategy implementation. Students learning activities may be based on published simulation exercises, decision-making and group dynamics exercises, business simulation exercises, and information search projects. Learning outcomes also may include research and information search methodologies and information literacy, and good writing.

PR: Business 4050, 4320, 4500 and 5301”

Amend the prerequisite for course Business 7010 to read “PR: Restricted to Bachelor of Business Administration students who have completed at least 90 credit hours, or permission of the Chair of Business”.

Delete the course **“BUSI 7025”**.

Page 456, 2010-2011 Calendar, under the heading 10.4.2 Business Electives, amend the second sentence to read “When choosing electives, students must ensure that they satisfy requirements for one of the concentrations listed under **The Curriculum**, 3.”

Page 456, 2010-2011 Calendar, under the heading 10.4.2 Business Electives, make the following changes:

Insert new course BUSI 2000 to read:

“2000 Business Communications (W) focuses on the development of written and oral communication skills in the workplace. The common communications media are reviewed with emphasis on electronic and written correspondence. Students learn how to prepare comprehensive analytical

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reports including proposal writing. Attention is also given to building confidence in delivering oral presentations and preparing appropriate employment packages. A highly interactive design encourages student practice and participation.

CR: Business 2010

UL: may not be used to fulfill any of the requirements of any of the programs of the Faculty of Business Administration, including the minor, diploma and degrees.”

Delete the course “**BUSI 2201**”.

Insert new course BUSI 2808 to read:

“**2808 Business Ethics (W)** examines the implications of business conduct using ethics as a framework, and will provide the tools to anticipate, critically analyse, appropriately respond to, and provide personal and professional leadership regarding critical ethical issues that will arise both during professional and personal careers.”

Amend course title for BUSI 3101 to read “**3101 Accounting Applications (QRA)**”.

Insert new course BUSI 3210 to read:

“**3210 Consumer Behaviour** deals with concepts related to factors with 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 5200

PR: Business 2010 and Business 2210 or the former 2201, or the former Business 3200.”

Delete the course “**BUSI 3320**”.

Insert new course BUSI 3350 to read:

“**3350 Principles of Leadership** will build on the concepts introduced in Organizational Behaviour, providing students the opportunity to explore various theories of leadership and styles, and to evaluate their own personal leadership profiles. Students will examine motivation and coaching, strategic leadership and change management, among other topics.

PR: Business 3310 or the former Business 2301”

Delete courses “**BUSI 3700, 4401, 5160, and 5200**”.

Insert new course BUSI 5210 to read:

“**5210 Marketing Communications** 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 Business 6210

PR: Business 2010, 2210 or the former 2201, or the former 3200”

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Insert new course BUSI 5220 to read:

“5220 Marketing Research (W) 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 Business 6200

PR: Statistics 2500, Business 2010, and Business 2210 or the former 2201, or the former 3200”

Insert new course BUSI 5302 to read:

“5302 International Business is designed to introduce students to the issues of international business: these are the processes of cultural confrontation and compromise; the problems of competitive sovereignty involving multinational corporations and the governments of host societies; the organization, structure, operation and control of diverse international businesses; and, finally, the role of multinational enterprise as a catalyst in economic development and resources employment, in particular, the North-South context. The relevance of international business as an area of study to the Canadian economy is discussed. The course is both conceptual and empirical in content.

PR: Business 1000 and Economics 2010 and 2020”

Delete courses **“BUSI 5401 and 5402”**.

Amend course title for BUSI 5500 to read **“5500 Financial Management II (QRA)”**. Also amend the prerequisite to read “PR: Business 4500 or the former Business 4110”.

Amend the prerequisite for BUSI 5600 to read “PR: Business 1101, Business 1600, and Business 2210”.

Delete courses **“BUSI 5700, 5701, 6000-6029, 6010, 6100, 6110, 6130, 6200, 6210, 6220, 6230, 6301, 6310, 6311, 6312, 6320”**.

Amend the prerequisite for BUSI 6500 to read “PR: Business 1101, Business 1600, and Business 2210”.

Amend the prerequisite for BUSI 6510 to read “PR: Business 4500 or the former Business 4110”.

Delete the course **“BUSI 6550”**.

Amend course title for BUSI 6610 to read **“6610 Small Enterprise and Regional Development”**.

Delete courses **“BUSI 6700 and 6701”**.

Amend course title for BUSI 6800 to read **“6800 Current Topics in Rural Economic Development (W)”**.

Insert new course BUSI 7025 to read:

“7025 Management Decision Making (W) is a case-based course that takes a critical look at the decision-making process and examines the complexities

Grenfell Campus (cont'd)

of the business environment that affect both the effectiveness and efficiency of decision making, including environmental uncertainty, and competing stakeholder interests. Through case analysis, students will have an opportunity to evaluate and practice both qualitative and quantitative managerial decision making skills as they apply to areas such as marketing, human resources, production and operations, and business planning. Topics to be covered may include: decision theory, evaluating risk and uncertainty, game theory, and creative problem solving.

CR: Business 4401, the former Business 3400

PR: restricted to Bachelor of Business Administration students who have completed at least 75 credit hours

UL: cannot be used to satisfy the requirement of Business 4401 in any program”

Amend course title for course BUSI 7050 to read “**7050 Current Topics in Business (W)**”.

Delete BUSI courses: “**7110, 7120, 7150, 7160, 7210, 7230, 7240, 7250, 7302, 7310, 7320, 7321, 7322, 7500, 7510**”.

Amend course title for BUSI 7600 to read “**7600 Current Topics in Entrepreneurship (W)**”.

Amend the prerequisite for BUSI 7610 to read “PR: Business 6120”.

Delete courses “**BUSI 7700 and 7701.**”

57.29 Faculty of Business Administration

Page 189, 2010-2011 Calendar, under the heading 8.3 Business Electives Course Descriptions, the special topics course BUSI 6012 International Strategic Management is to be converted to a regular course as follows:

“**7005 International Strategic Management** examines corporate strategy and strategic management in enterprises whose interests extend across national boundaries. International business managers and consultants must be able to formulate business strategy in environments that are affected by different politics, cultures, laws, economics, among other factors. The adept international business strategist will have a competitive edge if able to be at home in looking at international issues through a multidisciplinary prism. This course strives to help students to develop such an edge by providing an opportunity to acquire the knowledge and skills necessary to understand and make strategic decisions in the international business environment.

CR: BUSI 6012

PR: BUSI 5302”

Page 189, 2010-2011 Calendar, under the heading 8.3 Business Electives Course Descriptions, amend the course BUSI 6000-6029 to read “**6000-6029 (Excluding 6001, 6004, 6008, 6009, 6010, 6012, 6021, 6022, and 6027) Special Topics** will have the topics to be studied announced by the Faculty.”

Page 177, 2010-2011 Calendar, under the heading 4.1 Regulations for Business Minors, in clause 4.b., remove BUSI “6012” and insert “7005.”

Faculty of Business Administration (cont'd)

Page 182, 2010-2011 Calendar, under the heading 4.3.5 International Business, in clause 2, remove “BUSI 6012” and insert “BUSI 7005.”

Page 185, 2010-2011 Calendar, under the heading 4.7.3 The Curriculum, in clause 2.a., remove BUSI “6012 or” and insert “or 7005.”

Page 185, 2010-2011 Calendar, under the heading 4.7.3 The Curriculum, in clause 2.b.ii., after BUSI 6311, insert “BUSI 7005 (if not completed to fulfill 2.a.i above)” and remove “BUSI 6012 (if not completed to fulfill 2.a. above)”.

58. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

58.1 Faculty of Medicine

Page 621, 2010-2011 Calendar, under the heading 28.25.1.3 Program Areas, amend clause 4.a and 4.b to read as follows:

“4. Community Health

- a. The graduate program in Community Health enables students to pursue research and academic studies in selected topics. Students may specialize in one of the following three streams: epidemiology and biostatistics; health services and policy research; or social justice and equity in health.
- b. Program Requirements: Coursework as defined by the Supervisory Committee and this would normally include the Ph.D. Seminar Series (MED 6410-6413).”

58.2 Department of Philosophy

Page 532, 2010-2011 Calendar, under the heading 6.17 Philosophy, in the sentence “The candidate must...and a thesis” change 15 credit hours to “18” and 9 credit hours to “12”. In the sentence, “Normally, a full-time...of the program” change 15 credit hours to “18”.

58.3 Department of Women’s Studies

Page 595, 2010-2011 Calendar, under the heading 27 Regulations Governing the Degree of Master of Women’s Studies, delete “The Degree of...women” and gender and replace with the following:

“The Master of Women’s Studies degree allows students to examine critically - at an advanced level - how gender shapes our identities, our social interactions and our world. Students will incorporate, into their study, frameworks for thinking about power relations and the ways those relations are shaped and challenged by intersecting constructions of gender, race, class, sexuality, age, ability and nationality.

Faculty members in the Department of Women’s Studies bring research expertise and interests in a range of fields, including: citizenship and human rights; corporeal feminism; reproductive rights, auto-biography and life

Department of Women's Studies (cont'd)

writing; postcolonial and transnational feminisms; and First Nations studies. This master's program offers a thriving environment that draws on the expertise of scholars from a wide range of academic disciplines."

Page 596, 2010-2011 Calendar, under the heading 27.1 Master of Women's Studies Degree, delete "The Degree of...of Graduate Studies" and replace with "We offer, by full or part-time study, three degree options: thesis, project or internship."

58.4 Computational Science Program

Page 575, 2010-2011 Calendar, under the heading 21.10.2 Participating Departments and Organizations, in the sentence, "The departments of...in this program" insert "Biochemistry" before Chemistry.

Page 575, 2010-2011 Calendar, under the heading 21.10.3 Admission Criteria and Procedures, delete clause 2 and replace with the following:

"Students will be expected to hold a B.Sc. (Honours) or B.Eng. Degree with honours standing, or equivalent, with a strong computational orientation. At the time of application, the student is expected to provide evidence (for example, transcripts of completed courses) of his or her knowledge of a modern computer language such as Fortran, and/or C and/or C++, and/or Matlab, and/or Python. Evidence of knowledge of differential equations; and/or linear algebra and/or computer graphics would be an asset. Students with an inadequate background may be encouraged to take certain undergraduate courses."

Page 576, 2010-2011 Calendar, under the heading 21.10.4 Program of Study, delete clause 1 and replace with the following:

"The goal of Computational Science is to solve technical problems, in science and engineering, using computers and computational methods. Our program is designed to educate students to apply computational, numerical and programming concepts and tools to solve and model complex problems in science and engineering."

Page 576, 2010-2011 Calendar, under the heading 21.10.4 Program of Study, in clause 2, add the sentence "The normal length of time to complete each option is 24 months" at the end of the paragraph.

Page 576, 2010-2011 Calendar, under the heading 21.10.4 Program of Study, delete clause 3 and replace with the following:

"The work for the thesis or project will be carried out under the guidance of a supervisor (or joint supervisors). The home department of the student will be the same as that of the Supervisor. Upon completion of the work for the thesis or project, to be submitted to the School of Graduate Studies for examination, each student is required to present a seminar suitable for the interdisciplinary audience of Computational Science program students."

Page 576, 2010-2011 Calendar, under the heading 21.10.4 Program of Study, delete clause 4 and replace with the following:

Computational Science Program (cont'd)

“All students are required to complete a minimum of 3 core courses (9 credit hours) selected from the list of **Core Courses** listing below. All students are also recommended to complete CMSC 6940 (1 credit hour). Additional courses are required in accordance with the program options as outlined below and will normally be selected from the student’s discipline of specialization. The course requirements for each student are approved by the Program Chair on the recommendation of the student’s supervisor(s), and should reflect the interdisciplinary nature of the program. Students are expected to attend research seminars in their home department as well as those relevant to Computational Science, when advertised.

a. The thesis option requires the completion of a minimum of four graduate courses (12 credit hours) numbered 6000 or higher, which must include three courses (9 credit hours) from the **Core Courses** listing below. Equivalent courses may be considered for substitution with approval of the Program Chair. CMSC 6940 (one credit hour) is also recommended. The additional course(s) will normally be chosen from the **Additional Courses** listing below in the same discipline as the thesis work. The submission of an acceptable thesis is required. The thesis is to contain an original scholarly contribution which must be submitted to the School of Graduate Studies for final examination. Each student is also required to present a seminar on their thesis research topic that demonstrates their use of computational techniques to solve a problem in science or engineering.

b. The project option requires the completion of a minimum of seven graduate courses (21 credit hours) numbered 6000 or higher, which must include at least three courses (9 credit hours) from the **Core Courses** listing below. Equivalent courses may be considered for substitution with approval of the Program Chair. CMSC 6940 (one credit-hour) is also recommended. An acceptable project report is also required which must be submitted to the School of Graduate Studies for final examination. The additional courses will normally be chosen from the **Additional Courses** listing below in the same discipline as the project work. The project, which will include an in-dept written report, shall require the equivalent of at least one and no more than two semesters of full time work.”

Page 576, 2010-2011 Calendar, under the heading 21.10.6 Courses, delete the section and replace with the following:

“Core Courses

Mathematics 6210 Numerical Solutions of Differential Equations
 Computational Science 6910 Matrix Computations and Applications
 Computational Science 6920 Scientific Computing
 Computational Science 6930 Algorithms for Distributed and Shared Memory Computers
 Computer Science 6731 Topics in Numerical Methods
 Computational Science 6900-6909 Special Topics

Additional Courses

The following courses are identified as suitable for students in this program. Other courses may be permitted with the approval of the Program Chair.

Biochemistry

6420 DNA: The Structure and Function of Genes
 6421 RNA: Structure, Function and Synthesis

Computational Science Program (cont'd)

6422 Regulation of Protein Synthesis
6430 Bioenergetics
6440 Membranes
6450 Proteins

Chemistry

6201 Bioinorganic Chemistry
6204 Mechanisms in Catalysis
6205 Photochemistry of Transition Metal Complexes
6210 Organometallic Chemistry
6300 Quantum Chemistry I
6301 Quantum Chemistry II
6302 Molecular Spectroscopy
6304 Computational Chemistry I
6310 Electronic Structure Theory
6323 Chemical Thermodynamics I
6324 Chemical Thermodynamics II
6340 Biophysical Chemistry
6350 Electrochemical Kinetics
6360 Solid State Chemistry
6380 Adsorption on Surfaces
6381 Surface and Interface Science
6382-9 Selected Topics in Physical Chemistry
6390-8 Selected Topics in Physical Chemistry
6399 Chemical Kinetics and Dynamics
6401 Organic Spectroscopic Analysis I
6402 Organic Spectroscopic Analysis II
6470 Physical Organic Chemistry
6590-9 Selected Topics in Theoretical and Computational Chemistry
6600 Applications of Inorganic and Organometallic Chemistry to Toxicology

Computational Science (CMSC)

601W Work Term I
602W Work Term II
6900-6909 Special Topics
6910 Matrix Computations and Applications
6920 Scientific Programming
6925 Tools of the Trade for Programming High Performance Computers (2 credit hours)
6930 Algorithms for Distributed and Shared Memory Computers
6940 Computer Based Research Tools and Applications (1 credit hour)

Computer Science

6713 Software Engineering
6722 Advanced Computer Architectures
6728-6729 Special Topics in Computer Systems - Computer Networks
6731 Topics in Numerical Methods
6738-39 Special Topics in Numerical Methods
6752 Applications of Computer Graphics
6756 Digital Image Processing

Earth Sciences

6141 Rotation of the Earth
6142 Theory of Global Geodynamics

Computational Science Program (cont'd)

6171 Advanced Exploration Seismology
6172 Borehole Seismic
6175 Gravity and Magnetic Methods
6177 Mathematical Formulations of Seismic Wave Phenomena
6918 Airborne and borehole electromagnetic methods
6994 Special Topics in Earth Sciences - Geophysical Inversion and Applications
7110 Physics of the Solid Earth
7120 Crustal Geophysics

Mathematics and Statistics

6102-6119 Special Topics in Applied Mathematics
6201 Numerical Methods for Partial Differential Equations
6210 Numerical Solution of Differential Equations (required course for Computational Science)
6212 Numerical Methods for Initial Value Problems
6588 Selected Topics in Statistics and Probability - Generalized Additive Models with Applications in Scientific Visualization

Physics and Physical Oceanography

6000 Condensed Matter Physics I
6200 Nonlinear Dynamics
6308 Ocean Dynamics I
6309 Ocean Dynamics II
6310 Physical Oceanography
6316 Ocean Measurements and Data Analysis
6317 Ocean Acoustics
6318 Numerical Modelling
6320 Turbulence
6321 Coastal Oceanography
6323 Stability Theory
6400 Statistical Mechanics
6402 Theory of Phase Transitions
6800 Group Theory
6850 Quantum Mechanics I

Engineering and Applied Science

9015 Ocean Engineering Hydrodynamics
9052 Ice Properties and Mechanics
9501 Finite Element Analysis
9713 Stochastic Hydrology
9815 Electromagnetic Propagation
9821 Digital Signal Processing
9826 Advanced Control Systems
9861 High-Performance Computer Architecture
9865 Advanced Digital Systems
9869 Advanced Concurrent Programming
9871 Information Theory and Coding”

58.5 Master of Maritime Management Program

The following changes were approved by Senate on April 13, 2010:

Master of Maritime Management Program (cont'd)

Under the heading 15.2.1 Admission Requirements, under clause 1, delete the sentence, “A Bachelor of...management course work” and replace with “A Memorial University Bachelor of Maritime Studies or Bachelor of Technology, or a comparable undergraduate degree with appropriate maritime sector and business management course work.”

Under the heading 15.2.1 Admission Requirements, in clause 2, change the deadline for submission of applications from April 15, August 15 and December 15 to “June 15, October 15 and February 15.”

58.6 Department of Chemistry

Page 601, 2010-2011 Calendar, under the heading 28.5.1 Program, delete clause 6 and replace with the following:

“Candidates must pass a comprehensive examination, as described in the **General Regulations**, according to one of the following descriptions:

a. A 3 hour written part covering topics in Organic Chemistry, and, subsequent to the written examination at the discretion of the comprehensive examination committee, an oral exam designed to explore areas of perceived deficiency.

b. A 1.5 hour written part covering topics in Inorganic Chemistry, and, subsequent to the written exam, an oral examination designed to further explore areas of Inorganic Chemistry.

c. A paper on a research topic selected by the student in consultation with their supervisor and the examination committee, and subsequently, an oral examination designed to explore general areas of Analytical and/or Physical Chemistry and areas of chemistry related to the research topic.”

58.7 Engineering 9496, 9096, 9790

Page 555, 2010-2011 Calendar, under the heading 12.12 Courses, under Core Courses, insert “9496 Modeling and Simulation of Dynamic Systems” and under Other Courses, insert “(excluding 9096)” after 9090/99 Special Topics in Ocean Engineering. Insert course “9096 Marine and Offshore Ice Engineering” and insert “(excluding 9496)” after 9495/99 Special Topics in Engineering Analysis. Renumber 9790/99 to “9791/99 Special Topics in Civil Engineering” and insert “9790 Subsea Pipeline Engineering”.

58.8 Medicine 6265

Page 589, 2010-2011 Calendar, under the heading 23.2.3 Graduate Courses, insert new course “6265 Genetics and Clinical Epidemiology.”

58.9 Master of Employment Relations

Page 551, 2010-2011 Calendar, under the heading 11.1 Administration, delete clauses 1, 2, and 3 and replace with the following:

“1. The program shall be administered by a Director, who reports to the Dean of Graduate Studies. The Director shall be appointed by the Dean of Graduate Studies on the recommendation of the Deans of Arts and Business

Master of Employment Relations (cont'd)

Administration. In making this recommendation, the Deans of Arts and Business Administration shall consult with the employment relations community both within and outside the University.

2. An Executive Committee consisting of the Director and Deans of Arts, Business Administration, and Graduate Studies will be established to review administrative, resource, and strategic planning issues related to the program. This committee shall be chaired by the Dean of Graduate Studies.

3. The Director shall consult with the Graduate Committee in Employment Relations (GCER) for the purposes of administering the academic elements of the program. The GCER shall normally consist of 11 members appointed by the Dean of Graduate Studies on the recommendation of the Director. The GCER will include the Director, who shall Chair the committee, approximately six faculty members from the Faculties of Arts and Business Administration who teach core courses, the Associate Deans or Directors of Graduate Studies from Arts and Business Administration, as well as a one full-time and one part-time student representative.

4. An Advisory Board in Employment Relations (ABER) shall be established for the purposes of consulting with obtaining feedback from the employment relations community. The ABER will consist of a broad cross-section of members from the employment relations community both within and outside the University who shall be appointed by the Dean of Graduate Studies on the recommendation of the Director.”

58.10 Faculty of Business Administration

Page 540, 2010-2011 Calendar, under the heading 8.7 Courses, under Table III - Master of Business Administration Schedule of M.B.A. Electives, add “Business 9030 International and Comparative Industrial Relations.”

Page 540, 2010-2011 Calendar, under the heading 8.7 Courses, under Table V - Master of Business Administration Prerequisite/Co-requisite, change prerequisite for Business 9020 to read, “Nine courses completed including 8204.” Also, insert “Business 9030” with prerequisites to read, “Nine courses completed including 8210.”

Page 540, 2010-2011 Calendar, under the heading 8.7 Courses, under Table III - Master of Business Administration Schedule of M.B.A. Electives, change Special Topics course numbers to reflect the change for Business 9030 as follows: “9023-9050 Special Topics (excluding 9030).”

Page 541, 2010-2011 Calendar, remove entire entry pertaining to Regulations Governing the Degree of Master of Business Administration (Executive Option in Petroleum) which would include sections, “9, 9.1, 9.2, 9.3, 9.4, and 9.5.”

REGULAR AGENDA

59. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

59.1 Grenfell Campus

It was moved by Mr. Riggs, seconded by Mr. Despres, and carried that on page 448, 2010-2011 Calendar, under the heading 8.3 Major in General Science, under Earth Systems, in the sentence, “Any 18 credit...Science 2150, 3811.” change at least two courses to “at least 6 credit hours” and insert “ENVS 2430.”

Page 477, 2010-2011 Calendar, under the heading 10.32.2 2nd Year, add the following new course:

“**2900-2909 Special Topics in Visual Arts** is a range of introductory topics that might include: Textile Practices, Japanese Woodblock, Introduction to Time Based Media.

AR: attendance is required

OR: 6 hours of studio per week

PR: Visual Arts 110 A/B, Visual Arts 120 A/B, and Visual Arts 2700, 2701 and permission of the Program Chair”

Page 478, 2010-2011 Calendar, under the heading 10.32.3 3rd Year, add the following new course:

“**3900-3929 Special Topics in Visual Arts** is a range of intermediate topics that might include: Ideas of Landscape, Word and Image, Installation, Performance, Art and the Environment, Non-Silver Photographic Processes, Book Arts.

AR: attendance is required

OR: 6 hours of studio per week

PR: Visual Arts 100 A/B, Visual Arts 110 A/B, Visual Arts 120A/B and Visual Arts 2700, 2701 and permission of the Program Chair”

Page 478, 2010-2011 Calendar, under the heading 10.32.4 4th Year, add the following new course:

“**4900-4929 Special Topics in Visual Arts** is a range of senior topics that might include: Photo Journalism, Art and Politics, Community Practices, Environmental Practices.

AR: attendance is required

OR: 6 hours of studio per week

PR: Visual Arts 100 A/B, Visual Arts 110 A/B, Visual Arts 120 A/B and Visual Arts 2700, 2701 and permission of the Program Chair”

Page 443, 2010-2011 Calendar, under the heading 7.7 Minor Programs - Division of Social Science, delete clause 7 and replace with the following:

“7. **Psychology Minor:**

a. Psychology 1000, 1001

b. Eighteen credit hours in Psychology at the 2000 level or above”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, insert course description for the following course:

“**3025 Contemporary Issues in Developmental Psychology** examines in depth one or more areas of research within developmental psychology. Some topics that may be examined include cognitive development, social

Grenfell Campus (cont'd)

development, developmental psychopathology, and child eyewitness testimony.

PR: Psychology 2925 and Psychology 2025”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, amend course title of Psychology 3040 from Psychology of Death and Dying to “Contemporary Issues in the Psychology of Death and Dying.” In the course description, delete “will use” and replace with “uses.” Amend the last sentence to read “In addition, trauma, grief, and bereavement in children, adolescents, and adults are explored.” Also, delete the co-requisites and prerequisites and replace with:

“PR: Six credit hours in 2000 level psychology courses.”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, amend course title of Psychology 3126 from Psychology of Women to “Contemporary Issues in the Psychology of Women” and delete the co-requisites and prerequisites and replace with the following:

“PR: Six credit hours in 2000 level psychology courses.”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, insert course descriptions for the following courses:

“3125 Contemporary Issues in Social Psychology examines in depth one or more areas of research within social psychology. Some topics that may be examined include the psychology of prejudice, criminal behaviour, social influence, and aggression.

PR: Psychology 2925 and Psychology 2125

3225 Contemporary Issues in Learning examines in depth one or more areas of research in learning and cognition. Topics may include associative learning, instrumental conditioning, discrimination learning, category formation, memory, navigation, social cognition and learning, intelligence, concepts of time and number, self-awareness and communication and language.

PR: Psychology 2925 and Psychology 2225”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, delete the co-requisites and prerequisites for Psychology 3226 and replace with the following:

“PR: Six credit hours in 2000 level psychology courses”

Page 472, 2010-2011 Calendar, under the heading 10.23.2 Contemporary Issues Courses, insert course descriptions for the following courses:

“3325 Contemporary Issues in Sensation and Perception examines the functioning of human sensory systems and how physical stimuli are transformed into signals that can be understood by the nervous system. In both human and animal models how the brain receives and processes information from the visual, auditory, gustatory, olfactory, and somatosensory systems may be examined. Basic psychophysics may also be examined.

PR: Psychology 2925 and Psychology 2425 or Psychology 2825

Grenfell Campus (cont'd)

3425 Contemporary Issues in Memory and Cognition uses current psychological theories and research to examine aspects of human memory and cognition. Topics may include, but are not limited to, perception and pattern recognition, attentional processes, knowledge representation, working and long term memory, language, problem solving, decision making, expert performance, and abnormalities in cognition.
PR: Psychology 2925 and Psychology 2425

3525 Contemporary Issues in Emotion introduces the biological, cognitive, and social influences on emotions. Attention is given to unconscious (automatic) processes, nonverbal emotional expressions, and understanding specific emotions. Contemporary research may be highlighted in such areas as the effects of hormones, emotional intelligence, the consequences of problems in emotional development, or emotions in therapy.
PR: Psychology 2925 and any Survey Course in Psychology from Grenfell Campus Psychology Program

3625 Contemporary Issues in Personality examines in depth one or more areas of research with personality psychology. Some topics that may be examined include stress and health, psychoanalysis, psychology of motivation, and personality in work organizations.
PR: Psychology 2925 and Psychology 2625

3626 Contemporary Issues in Abnormal Psychology explores the definition of abnormal behaviour, clinical assessment, classification, and diagnosis. The core theoretical perspectives on psychological disorders are examined. For each disorder the diagnostic criteria, etiology, treatment, and prognosis is presented. This course enhances the students' ability to think critically about issues pertaining to mental health and illness.
CR: Psychology 3640, Psychology 3650, and the former Psychology 3600
PR: Psychology 2925 and Psychology 2625

3627 Contemporary Issues in Psychotherapy introduces students to the major theories, concepts and practices of contemporary approaches to psychotherapy. It includes the exploration of ethical and professional issues in professional practice.
PR: Psychology 2925 and Psychology 2625

3628 Contemporary Issues in Psychological Testing and Measurement explores the development and application of tests and techniques for psychological assessment. A review of test construction and evaluation examines methods of item analysis, reliability, validity, and test norms. The major domains of applied psychological assessment are examined. Ethical issues in psychological assessment are presented throughout the course.
PR: Psychology 2950 and any one of Psychology 2025, Psychology 2425, Psychology 2625

3725 Contemporary Issues in Animal Behaviour includes one or more areas of research in animal behaviour and/or evolutionary psychology. Topics may include history of animal behaviour and/or evolutionary psychology, genetic analysis of behaviour, evolutionary theory and natural selection, development of behaviour, sensation and perception, orientation, foraging, antipredator behaviour, learning, cognition, sociality and dispersion, sexual reproduction and sexual selection, parental care and mating systems,

Grenfell Campus (cont'd)

altruism, aggression, communication and social dominance.

PR: Psychology 2925 and Psychology 2825 or Psychology 2225

3825 Contemporary Issues in Physiological Psychology includes one or more areas of research in neuroscience and/or behavioural neuroscience. Topics may include neurophysiology and neuroanatomy, methodology including brain imaging, developmental disorders, sensory-perceptual and motor systems, physiological basis of attention, memory, language, emotion and spatial behavior, alterations of consciousness, neurological disorders, plasticity, recovery and rehabilitation and neuropsychological assessment.

PR: Psychology 2925 and Psychology 2825”

59.2 Department of Linguistics

It was moved by Mr. Riggs, seconded by Mr. Despres, and carried that on page 147, 2010-2011 Calendar, under the heading 8.21.1 General Degree, delete the section and replace with the following:

“The general degree requires 12 courses, 36 credit hours.

1. Students majoring in Linguistics must complete 36 credit hours in Linguistics, which must include the five courses numbered Linguistics 1100/2100, 1103/2103, 1104/2104, 3100, 3201, plus 21 credit hours in courses chosen from Linguistics 1105/2105, 2060, 2210, 2400, 2401, 2710, 3000, 3104, 3105, 3150, 3155, 3210, 3212, 3220, 3302, 3310, 3311, 3500, 3850, 3950-3960, 4010-4091, 4100, 4110, 4150, 4151, 4201, 4202, 4210, 4301, 4310, 4350, 4400, 4403, 4420, 4421, 4500, 4700, 4750, 4751, 4752, 4753, 4754, 4900, 4901, 4950-4960. Of these 21 credit hours, 9 must be at the 4000 level.

2. Many courses formerly offered by the Department of Linguistics have been renumbered or renamed. Students who have taken Linguistics courses at Memorial University of Newfoundland may not obtain credit for renumbered or renamed courses which the student has already taken. Students should consult with an advisor in the Department of Linguistics to ensure that they are taking the appropriate courses.

3. Prerequisites may be waived in special cases by the Head of the Department.

Note: Students intending to pursue graduate work in Linguistics should include Linguistics 3500, 4201 and at least one of 4100 and 4110 in their programs.”

Page 147, 2010-2011 Calendar, under the heading 8.21.2 Honours Major, delete clause 2 and replace with the following:

“2. An Honours degree in Linguistics must include 60 credit hours in Linguistics courses of which the following are required: Linguistics 1103/2103, 1104/2104, 2210, 3000, 3100, 3201, 3210, 3500, 3850, 4100 (or 4110), 4201 (or 4202), 4999, and at least one of Linguistics 4010-4091, 4150, 4210, 4500, 4700, 4950-4960. Students should choose courses in consultation with their Honours Essay supervisor, to ensure that the needs and interests of the individual candidate are met, and to take into account the availability of courses which the department is able to offer.”

Department of Linguistics (cont'd)

Page 147, 2010-2011 Calendar, under the heading 8.21.3 Minor Programs, delete clause 1.c. and replace with the following:

“1.c. Any other additional 12 credit hours selected from: Linguistics 1100/2100, 1105/2105, 2060, 2210, 2400, 2401, 2710, 3000, 3100, 3104, 3105, 3150, 3155, 3201, 3210, 3212, 3220, 3302, 3310, 3311, 3500, 3850, 3950-3960, 4010-4091, 4100, 4110, 4150, 4151, 4201, 4202, 4210, 4301, 4310, 4350, 4400, 4403, 4420, 4421, 4500, 4700, 4750, 4751, 4752, 4753, 4754, 4900, 4901, 4950-4960.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend Note 2 for Linguistics 2100 to read “Notes: 2. This course may qualify as a Research /Writing course. Consult each semester’s Undergraduate Registration Procedures.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, rename Linguistics 1103 and 2103 to read “1103 Introduction to Morphology and Syntax” and “2103 Introduction to Morphology and Syntax.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, rename Linguistics 1104 and 2104 to read “1104 Introduction to Phonetics and Phonology” and “2104 Introduction to Phonetics and Phonology.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, delete course description for LING 3100 and replace with the following:

“**3100 Generative Syntax** is an introduction to a major contemporary approach to syntactic theory. Topics include phrase structure and constituency, case theory and agreement, principles of thematic role assignment, parametric variation, and the different types of syntactic movement.
Prerequisite: Linguistics 1103/2103.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 3000 to read “Prerequisites: LING 1103/2103.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 4100 to read “Prerequisites: LING 3100.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 4210 to read “Prerequisites: LING 2210.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 4500 to read “Prerequisites: LING 2103 and 2104.”

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 4700 to read “Prerequisites: LING 2104.”

Department of Linguistics (cont'd)

Page 148, 2010-2011 Calendar, under the heading 8.21.4 Course Descriptions, amend the prerequisite for LING 4752 to read “Prerequisites: LING 3850.”

59.3 New Program in Dietetics

It was moved by Mr. Riggs, seconded by Dean Abrahams, and following discussion carried that on page 385, 2010-2011 Calendar, add new section “7.5 Dietetics” and renumber subsequent sections accordingly. Under the heading 7.5 Dietetics, insert the following:

“Under the terms of a Memorandum of Understanding (MOU) between Memorial University of Newfoundland and Acadia University, selected students are able to complete the first two years of Acadia’s Bachelor of Science in Nutrition (Dietetics) at Memorial. Selection for this program is competitive and is limited to ten qualified students each year.

Students who are interested in pursuing this program must first complete thirty credit hours from the prescribed courses (see following list). In the winter semester, normally at the end of a student’s first year at Memorial, a selection competition will be held. Only those students who are selected will be eligible to continue into the second year of the program at Memorial. The selection process will be jointly administered by Memorial University and by Acadia University. Academic achievement will be a significant criterion used for selection. Students may be asked to attend an interview. The letter of acceptance will give the selected applicant 14 days from the date of the letter in which to confirm acceptance of their place in the program.

To continue on to Acadia University, the selected students must successfully complete the 20 courses (see following list) required by the MOU with a minimum 60% overall average. A grade of 60% (Acadia equivalent grade of C-) is required in each of the three individual Nutrition courses taken through Open Acadia, the distance education unit of Acadia University.

Under the terms of the MOU, the following courses at Memorial University must be completed before being admitted to the third year of Acadia’s program:

- Biology 1001
- Chemistry 1010, 1011 (or Chemistry 1200, 1001)
- Chemistry 2440
- English 1080, 1110 (or equivalent)
- Mathematics 1090 and 1000 (or Mathematics 1000 and one Elective)
- Pharmacy 2002, 2003, and 2004 or Biochemistry 2101*
- Psychology 1000, 1001
- Statistics 2500, 2501
- Two Arts electives

**Note: Only students who are selected for this program will be permitted to register for these Pharmacy courses.*

In addition, the terms of the MOU require that the following courses offered through Acadia University’s distance education unit, Open Acadia, must be completed before being admitted into the third year of Acadia’s program:

New Program in Dietetics (cont'd)

- Nutrition 1513
- Nutrition 2503
- Nutrition 2513

Note: In order to be eligible to apply for internship placements administered by the Acadia Dietetic Internship Program, students must obtain a grade of at least B- (70-72) in the two courses Nutrition 2503 & 2513. This requirement does not apply for other non-Acadia internships for which all students are eligible to apply.

Students who successfully complete the first two years of the program at Memorial University as described above will transfer to Acadia University where the final two years will be completed. Students will graduate with their degree from Acadia University.

For more specific details about the Memorial University component of the program, and for information about the selection process and deadlines, contact (Program Coordinator at Memorial or Registrar Contact at Memorial, *to be determined*). (Phone, email, web)

For detailed information about the Acadia University program, contact the School of Nutrition and Dietetics, Acadia University, P.O. Box 68, 12 University Avenue, Wolfville, Nova Scotia, Canada B4P 2R6. (902-585-1366, nutr@acadiau.ca, <http://nutrition.acadiau.ca>)

The following tables present a schedule for completing the course requirements at Memorial.

(A) For students who must complete Math 1090 in their first semester

FIRST YEAR	
FALL	WINTER
English 1080	English 1110 (or equivalent)
Mathematics 1090	Mathematics 1000
Chemistry 1010 or 1200	Chemistry 1011 or 1001
Biology 1001	NUTR 1513 through Acadia Online
Psychology 1000	Psychology 1001

SECOND YEAR	
FALL	WINTER
Chemistry 2440	Pharmacy 2004 (or Biochemistry 2101)
Pharmacy 2002	Pharmacy 2003
Statistics 2500	Statistics 2501
NUTR 2503 through Acadia Online	NUTR 2513 through Acadia Online

ARTS elective	ARTS elective
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(B) For students who are eligible take Math 1000 in their first semester

FIRST YEAR	
FALL	WINTER
English 1080	English 1110 (or equivalent)
Mathematics 1000	Statistics 2500
Chemistry 1010	Chemistry 1011
Biology 1001	NUTR 1513 through Acadia Online
Psychology 1000	Psychology 1001

SECOND YEAR	
FALL	WINTER
Chemistry 2440	Pharmacy 2004 (or Biochemistry 2101)
Pharmacy 2002	Pharmacy 2003
Statistics 2501	Elective
NUTR 2503 through Acadia Online	NUTR 2513 through Acadia Online
ARTS elective	ARTS elective

Notes:

1. *In the Fall semester Statistics 2501 is offered on campus. In the Winter semester Statistics 2501 is offered by distance education only.*
2. *While students are strongly encouraged to complete Nutrition 1513 in the first year, they can substitute an Arts elective for Nutrition 1513 in the first year but must then complete Nutrition 1513 in the second year.*
3. *All three Open Acadia courses must be completed prior to starting courses at Acadia.”*

60. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

60.1 Environmental Science Program

It was moved by Dr. Golfman, seconded by Dean Abrahams, and carried that on page 579, 2010-2011 Calendar, under the heading 21.13 Environmental Science, delete the section and replace with the following:

“(see also **Master of Environmental Science**)

Board of Studies

Dr. J. Wroblewski, Ocean Sciences Centre - Chair

Environmental Science Program (cont'd)

Dr. C. Campbell, Division of Science, Grenfell Campus, ex-officio
Dr. B. Chen, Faculty of Engineering and Applied Science
Dr. Norm Catto, Department of Geography
Dr. P. Marino, Department of Biology
Dr. W. Montevicchi, Department of Psychology
Dr. L. Tarasov, Department of Physics and Physical Oceanography
Dr. S. Ziegler, Department of Earth Sciences”

Page 579, 2010-2011 Calendar, under the heading 21.13.1 Program of Study, delete clause 1 and 2 and replace with the following:

“1. The Environmental Science Program is an interdisciplinary graduate program involving the departments of the Faculty of Science, the Faculty of Arts, the Faculty of Medicine and the Faculty of Engineering and Applied Science. There are three Environmental Science Graduate degree streams: the Master of Science (M.Sc., Environmental Science), Master of Environmental Science (M.Env.Sci.), and the Doctor of Philosophy (Ph.D., Environmental Science). The program is available on a full or part-time basis.

2. The program is administered by a Board of Studies appointed by the Dean of Science. Supervisors of graduate students in the program include faculty from the Faculty of Science, the Faculty of Arts, the Faculty of Engineering and Applied Science, the Faculty of Medicine, and the Environmental Science Program at the Grenfell Campus, as well as adjunct appointees to the program (as a co-supervisor).”

Page 579, 2010-2011 Calendar, under the heading 21.13.2 Qualifications for Admission, delete the section and replace with the following:

“Admission is limited and competitive. To be considered for admission applicants shall normally hold a Bachelor’s (Honours) degree in Science, Geography, or Environmental Science with at least second class standing, or equivalent, or a Bachelor’s degree in Engineering from an institution recognized by the Senate or shall have qualifications and/or experience in environmental science acceptable to the Dean of Graduate Studies and the Board of Studies. The Board of Studies make recommendations on admission to the Dean of Graduate Studies.”

Page 579, 2010-2011 Calendar, under the heading 21.13.3 Degree Requirements, delete the section and replace with the following:

“1. To the extent that resources permit, individual programs will be developed to suit students’ interests and needs. However all programs must be approved by the Board of Studies and by the Dean of Graduate Studies. All **General Regulations** of the School of Graduate Studies shall apply to these degrees.

2. Master of Science (Environmental Science)

a. The Master of Science (Environmental Science) is a research Degree which includes a thesis and course work. The thesis research will focus on environmental topics relevant to the student’s background. The course component has two aims: to broaden the student’s understanding of environmental issues; and to provide further training in areas of research specialization for the thesis.

Environmental Science Program (cont'd)

b. Each student will have a Supervisory Committee normally consisting of a Supervisor and two others. The Supervisory Committee will be appointed by the Dean of Graduate Studies on the recommendation of the Board of Studies for Environmental Science.

c. The program of each student will consist of a minimum of 12 credit hours in program courses which will include ENVE/ENVS 6000 and ENVS 6010. Of the 6 credit hours remaining in program courses, 3 credit hours will be from ENVE/ENVS 6001, 6002 and 6003 and the other 3 credit hours will be related to the student's specialty and will normally be chosen from graduate courses offered by the Faculties of Science, Arts, Medicine and Engineering and Applied Science.

d. All students will be required to submit a thesis embodying the results of systematic research on an approved topic. The thesis will be evaluated according to procedures outlined in General Regulation **Theses and Reports.**"

Page 579, 2010-2011 Calendar, under the heading 21.13.4 Courses, delete ENVS 6005 Environmental Sampling and Pollutant Analysis (cross listed as Eng 9603).

Page 579, 2010-2011 Calendar, under the heading 21.13.4 Courses, delete "same as Eng 9609" in brackets for ENVS 6007 and replace with "cross-listed as Eng 9609."

Page 609, 2010-2011 Calendar, under the heading 28.12 Environmental Science, delete the section and replace with the following:

"Board of Studies

Dr. J. Wroblewski, Ocean Sciences Centre - Chair
Dr. C. Campbell, Division of Science, Grenfell Campus, ex-officio
Dr. B. Chen, Faculty of Engineering and Applied Science
Dr. Norm Catto, Department of Geography
Dr. P. Marino, Department of Biology
Dr. W. Montevecchi, Department of Psychology
Dr. L. Tarasov, Department of Physics and Physical Oceanography
Dr. S. Ziegler, Department of Earth Sciences"

Page 609, 2010-2011 Calendar, amend the heading 28.12.1 Program to read "28.12.1 Program of Study." Under the heading 28.12.1 Program of Study, delete clause 1 and 2 and replace with the following:

"1. The Environmental Science Program is an interdisciplinary graduate program involving the departments of the Faculty of Science, the Faculty of Arts, the Faculty of Medicine and the Faculty of Engineering and Applied Science. There are three Environmental Science Graduate Degree streams, the Master of Science (M.Sc., Environmental Science), Master of Environmental Science (M.Env.Sci.), and the Doctor of Philosophy (Ph.D., Environmental Science). The program is available on a full or part-time basis.

2. The program is administered by a Board of Studies appointed by the Dean of Science. Supervisors of graduate students in the program include faculty from the Faculty of Science, the Faculty of Arts, the Faculty of Engineering

Environmental Science Program (cont'd)

and Applied Science, the Faculty of Medicine, and the Environmental Science Program at the Grenfell Campus, as well as adjunct appointees to the program (as a co-supervisor).”

Page 609, 2010-2011 Calendar, under the heading 28.12.2 Doctor of Philosophy, delete clause 1 and replace with the following:

“1. The Doctor of Philosophy (Ph.D., Environmental Science) is a research degree which includes a doctoral dissertation and course work. Normally, students entering the Ph.D. program in Environmental Science will have a M.Sc. degree from an institution recognized by the Senate. Students in the Master of Science (Environmental Science) program, after a minimum of 12 months in their program of studies, may request a transfer to the PhD program. Final decision for transfer from the M.Sc. program to the Ph.D. program rests with the Dean of the School of Graduate Studies. There are two courses (6 credit hours) required for the doctoral program. All students take ENVS 6010 and those with a disciplinary M.Sc. degree in Science from a recognized university also take ENVS 6000. Other courses tailored for individual students are included in the student’s program by the Dean of Graduate Studies on the recommendation of the Chair of the Board of Studies.”

Page 609, 2010-2011 Calendar, under the heading 28.12.2 Doctor of Philosophy, in clause 2, in the sentence, “At least two...the Examination Committee” delete “Study” and replace with “Studies.”

Page 609, 2010-2011 Calendar, under the heading 28.12.2 Doctor of Philosophy, in clause 3, delete the first sentence, “The most important...the doctoral thesis.” In the second sentence, delete the second word, “research” and replace with “doctoral.”

Page 609, 2010-2011 Calendar, under the heading 28.12.3 Courses, delete the section and replace with the following:

“ENVE/ENVS 6000 Environmental Science and Technology
ENVE/ENVS 6001 Earth and Ocean Systems
ENVE/ENVS 6002 Environmental Chemistry and Toxicology
ENVE/ENVS 6003 Applied Ecology
ENVS 6004 Environmental Pollution and Mitigation (cross-listed as Eng 9601)
ENVS 6007 Environmental Risk Assessment (cross-listed as Eng 9609)
ENVS 6008 Air Pollution (cross-listed as Eng 9624)
ENVS 6010 Environmental Seminar
ENVS 6201-6210 Selected Topics in Environmental Science”

60.2 Master of Environmental Science Program

It was moved by Dr. Golfman, seconded by Dean Abrahams, and carried that on page 557, 2010-2011 Calendar, under the heading 14 Regulations Governing the Degree of Master of Environmental Science, delete the section and replace with the following:

“(see also **Master of Science in Environmental Science**)

Master of Environmental Science Program (cont'd)

Board of Studies

Dr. J. Wroblewski, Ocean Sciences Centre - Chair
Dr. C. Campbell, Division of Science, Grenfell Campus, ex-officio
Dr. B. Chen, Faculty of Engineering and Applied Science
Dr. Norm Catto, Department of Geography
Dr. P. Marino, Department of Biology
Dr. W. Montevecchi, Department of Psychology
Dr. L. Tarasov, Department of Physics and Physical Oceanography
Dr. S. Ziegler, Department of Earth Sciences”

Page 557, 2010-2011 Calendar, under the heading 14.1 Program of Study, delete clause 1 and 2 and replace with the following:

“1. The Environmental Science Program is an interdisciplinary graduate program involving the departments of the Faculty of Science, the Faculty of Arts, the Faculty of Medicine, and the Faculty of Engineering and Applied Science. There are three Environmental Science Graduate Degree streams, the Master of Science (M.Sc., Environmental Science), Master of Environmental Science (M.Env.Sci.), and the Doctor of Philosophy (Ph.D., Environmental Science). The program is available on a full or part-time basis.

2. The program is administered by a Board of Studies appointed by the Dean of Science. Supervisors of graduate students in the program include faculty from the Faculty of Science, the Faculty of Arts, the Faculty of Engineering and Applied Science, the Faculty of Medicine, and the Environmental Science Program at the Grenfell Campus, as well as adjunct appointees to the program (as a co-supervisor).”

Page 557, 2010-2011 Calendar, under the heading 14.2 Qualifications for Admission, amend the second sentence to read, “To be considered for admission applicants shall normally hold a Bachelor’s (Honours) degree in Science, Geography or Environmental Science with at least...Board of Studies.”

Page 558, 2010-2011 Calendar, under the heading 14.3.1 Master of Environmental Science, in clause 1, in the first sentence, insert “(M.Env.Sci.)” after “The Master of Environmental Science”.

Page 558, 2010-2011 Calendar, under the heading 14.3.1 Master of Environmental Science, delete clause 2 and replace with the following:

“2. The Degree program requires completion of 24 credit hours of either Option A or Option B and a project report. The project report will be evaluated according to procedures outlined in General Regulation **Theses and Reports**.

Option A. Students will be required to take a minimum of 15 credit hours in program courses, 9 credit hours of which must be ENVE/ENVS 6000, ENVS 6009 and ENVS 6010 and 6 credit hours from ENVE/ENVS 6001, 6002 and 6003. Students will also be required to take a minimum of 9 credit hours in elective courses approved by the Board of Studies, 6 credit hours of which will normally be selected from graduate courses offered by the Faculty of Science and the Faculty of Engineering and Applied Science. Students are

Master of Environmental Science Program (cont'd)

advised to consult with instructors and Faculties regarding necessary prerequisites and availability.

Option B. Students will be required to take a minimum of 15 credit hours in program courses, 9 credit hours of which must be ENVE/ENVS 6000, ENVS 6009, and ENVS 6010 and 6 credit hours from ENVE/ENVS 6001, 6002 and 6003. Students will also be required to take a minimum of 6 credit hours in elective courses approved by the Board of Studies, normally selected from graduate courses offered by the Faculty of Science and Faculty of Engineering and Applied Science. In addition, students will be required to complete the 3 credit hours course ENVS 601W (work term).

ENVS 601W is a work term of one semester duration. Work term placements are arranged by the Division of Co-operative Education in consultation with the Program Chair and the student's Supervisor. The on-site employment supervisor and the MUN Co-op Coordinator evaluate the work term based on the student's performance on the job and on a written work term report submitted by the student. The topic of the work term report must be related to the work experience and will be chosen by the student in consultation with the on-site employment supervisor and the MUN Co-op Coordinator. The student will be permitted to submit a work term report only after the on-site employment supervisor and the MUN Co-op Coordinator determine that the work term has been successfully completed. The work term report may become the basis for the project report for ENVS 6009 (Project) which is required for the M.Env.Sci. Degree. The Program Chair, on the advice of the MUN Co-op Coordinator with input from the on-site employment supervisor, will recommend to the Dean of Graduate Studies a grade of Pass with Distinction, Pass or Fail. In cases where the MUN Co-op Coordinator and the on-site employment supervisor are unable to reach agreement concerning the grade, the final decision lies with the Program Chair. Should a student fail to complete a work term successfully, the graduate student's M.Env.Sci. Supervisor and the Program Chair may submit to the MUN Division of Co-operative Education a proposal for a different work term placement (only once). Or the student may apply to the Board of Studies for a change to the course-based M.Env.Sci. Option A, or to the thesis-based M.Sc. (Environmental Science)."

Page 558, 2010-2011 Calendar, delete the section 14.3.2 Master of Science (Environmental Science).

Page 558, 2010-2011 Calendar, under the heading 14.4 Courses, delete "ENVS 6005 Environmental Sampling and Pollutant Analysis (cross-listed as Eng 9603)". For ENVS 6007 Environmental Risk Assessment, delete in brackets "(same as Eng 9609)" and replace with "(cross-listed as Eng 9609)." After ENVS 6201-6210 Special Topics in Environmental Science, insert "ENVS 601W Work Term."

60.3 Master of Technology Management Program

It was moved by Dr. Golfman, seconded by Dr. Fisher, and carried that on page 594, 2010-2011 Calendar, under the heading 26.2 Program, after the first paragraph, "The Master of...within their organizations" insert the following new paragraph:

Master of Technology Management Program (cont'd)

“The program consists of two Options.

- Engineering and Applied Science Technology Option
- Aquaculture Technology Option”

Page 594, 2010-2011 Calendar, under the heading 26.2.1 Admission Requirements, delete clauses 1 and 2 and replace with the following:

“1. Admission to the program is on a competitive basis.

To be considered for admission to the Engineering and Applied Science Technology Option an applicant will normally possess a second class or better undergraduate degree from a university of recognized standing and will normally have:

- a Memorial University Bachelor of Technology, Bachelor of Maritime Studies, or a comparable undergraduate degree with appropriate technology sector and business management course work; and
- a minimum of two (2) years relevant employment experience.

To be considered for admission to the Aquaculture Technology Option an applicant will normally possess a second class or better undergraduate degree from a university of recognized standing and will normally have:

- a post-graduate aquaculture credential or an aquaculture focus in their undergraduate degree; or significant professional experience in the aquaculture industry; and
- a minimum of two (2) years relevant employment experience.

2. The deadlines for submission of applications for candidates wishing to enter studies are as follows:

- Fall (September) semester: June 15
- Winter (January) semester: October 15
- Spring (May) semester: February 15

Applications received after listed deadlines will be considered as time and resources permit.

3. Upon acceptance into the program, students will be admitted to one of the two Options: the Engineering and Applied Science Technology Option or the Aquaculture Technology Option.”

Page 594, 2010-2011 Calendar, under the heading 26.2.2 Program of Study, delete clauses 1, 2, and 3. Insert new section “26.2.2.1 Master of Technology Management - Engineering and Applied Science Technology Option” and add the following:

“1. Candidates for the Master of Technology Management (Engineering and Applied Science Technology Option) shall be required to complete a minimum of either:

Master of Technology Management Program (cont'd)

- a. 24 credit hours of course work and a major project and report (6 credit hours). Course work includes two compulsory core courses (6 credit hours); and six elective courses (18 credit hours). Students on the project route will complete MSTM 6100: Project in Engineering and Applied Science Technology Management (6 credit hours).
- i. **Core Courses (Two to be completed):**
MSTM 6031 Overview of Technical Operations
MSTM 6032 Managing Technological Innovation
- ii. **Elective Courses (Six to be completed: three from Category A and three from Category B):**
- Category A**
BUSI 8104 Organizations: Behaviour and Structure
BUSI 8106 Marketing
BUSI 8107 Managing Ethics and Responsibility
BUSI 8109 Accounting for Management
BUSI 8204 Human Resource Management (Prerequisite: BUSI 8104)
- Category B**
MSTM 6022 Communication and Conflict Resolution in a Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and Management in Technical Operations
MSTM 6033 Quality Systems
MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
MSTM 6035 Information Technology Applications in the Health and Engineering Technology Environments
MSTM 6036 Supply Chain Management and Advanced Engineering Technology Operations
MSTM 6037 Risk Analysis and Operations in the Engineering Technology Sector
MSTM 6038 Manufacturing and Engineering Technology Management
MSTM 6039 Sustainability and Environmental Responsibility
- Project in Engineering and Applied Science Technology Management**
MSTM 6100 Project in Engineering and Applied Science Technology Management (6 credit hours). Students will choose a topic in consultation with the Academic Director and will work independently to carry out an in-depth study of a problem or application within the area of technology management and fully document and present their findings. Preferably the problem will be directly related to a workplace situation.
- b. 30 credit hours on a comprehensive-course route. Course work includes two compulsory core courses (6 credit hours); and eight elective courses (24 credit hours).

Master of Technology Management Program (cont'd)

- i. **Core Courses (Two to be completed):**
MSTM 6031 Overview of Technical Operations
MSTM 6032 Managing Technological Innovation
- ii. **Elective Courses (Eight to be completed: three from Category A and five from Category B):**

Category A

BUSI 8104 Organizations: Behaviour and Structure
BUSI 8106 Marketing
BUSI 8107 Managing Ethics and Responsibility
BUSI 8109 Accounting for Management
BUSI 8204 Human Resource Management (Prerequisite: BUSI 8104)

Category B

MSTM 6022 Communication and Conflict Resolution in a Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and Management in Technical Operations
MSTM 6033 Quality Systems
MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
MSTM 6035 Information Technology Applications in the Health and Engineering Technology Environments
MSTM 6036 Supply Chain Management and Advanced Engineering Technology Operations
MSTM 6037 Risk Analysis and Operations in the Engineering Technology Sector
MSTM 6038 Manufacturing and Engineering Technology Management
MSTM 6039 Sustainability and Environmental Responsibility

2. Up to three relevant elective courses (9 credit hours) may be transferred from other graduate programs within the School of Graduate Studies or from other post-secondary institutions recognized by Senate, subject to the approval of the Dean of Graduate Studies on the recommendation of the Academic Director.

3. Those having already completed an M.B.A. degree at this University, or a degree recognized as equivalent by the Dean of Graduate Studies, may be granted advanced standing and fulfill the requirements for Engineering and Applied Science Technology Option by completing either (i) the two required MSTM courses, three electives chosen from Category B, and the Project in Engineering and Applied Science Technology Management (MSTM 6100) or (ii) the two required MSTM courses and five electives from Category B.”

Page 594, 2010-2011 Calendar, under the heading 26.2.2 Program of Study, insert new section “26.2.2.2 Master of Technology Management - Aquaculture Technology Option” and add the following:

“1. Candidates for the Master of Technology Management (Aquaculture Technology Option) shall be required to complete a minimum of either:

Master of Technology Management Program (cont'd)

- a. 24 credit hours of course work and a major project and report (6 credit hours). Course work includes two compulsory core courses (6 credit hours); and six elective courses (18 credit hours). Students on the project route will complete MSTM 6102: Project in Aquaculture Technology Management (6 credit hours).
- i. **Core Courses (Two to be completed):**
MSTM 6031 Overview of Technical Operations
MSTM 6032 Managing Technological Innovation
- ii. **Elective Courses (Six to be completed: two from Category A, two from Category B, and two from Category C):**
- Category A**
BUSI 8104 Organizations: Behaviour and Structure
BUSI 8106 Marketing
BUSI 8107 Managing Ethics and Responsibility
BUSI 8109 Accounting for Management
BUSI 8204 Human Resource Management (Prerequisite: BUSI 8104)
- Category B**
MSTM 6022 Communication and Conflict Resolution in a Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and Management in Technical Operations
MSTM 6033 Quality Systems
MSTM 6034 Project Management in the Offshore, Health, Fisheries and Engineering Technology Environments
MSTM 6037 Risk Analysis and Operations in the Engineering Technology Sector
MSTM 6039 Sustainability and Environmental Responsibility
MSTM 6056 Management of International Development
- Category C**
MSTM 6071 Management of Aquaculture Technology
MSTM 6072 Animal Husbandry Management
MSTM 6073 Aquaculture Environmental Management
MSTM 6074 Aquaculture Site and Operational Assessment
MSTM 6075 Aquaculture Engineering Technology Management
- Project in Aquaculture Technology Management**
MSTM 6102 Project in Aquaculture Technology Management (6 credit hours). Students will choose a topic in consultation with the Academic Director or designate and will work independently to carry out an in-depth study of a problem or application within the area of aquaculture technology management and fully document and present their findings. Preferably the problem will be directly related to a workplace situation.
- b. 30 credit hours on a comprehensive-course route. Course work includes two compulsory core courses (6 credit hours); and eight elective courses (24 credit hours).

Master of Technology Management Program (cont'd)

- i. **Core Courses (Two to be completed):**
MSTM 6031 Overview of Technical Operations
MSTM 6032 Managing Technological Innovation
- ii. **Elective Courses (Eight to be completed: two from Category A, three from Category B, and three from Category C):**

Category A

BUSI 8104 Organizations: Behaviour and Structure
BUSI 8106 Marketing
BUSI 8107 Managing Ethics and Responsibility
BUSI 8109 Accounting for Management
BUSI 8204 Human Resource Management (Prerequisite:
BUSI 8104)

Category B

MSTM 6022 Communication and Conflict Resolution in a
Technical Environment
MSTM 6023 Strategic Planning, Policy, Participation and
Management in Technical Operations
MSTM 6033 Quality Systems
MSTM 6034 Project Management in the Offshore, Health,
Fisheries and Engineering Technology Environments
MSTM 6037 Risk Analysis and Operations in the Engineering
Technology Sector
MSTM 6039 Sustainability and Environmental Responsibility
MSTM 6056 Management of International Development

Category C

MSTM 6071 Management of Aquaculture Technology
MSTM 6072 Animal Husbandry Management
MSTM 6073 Aquaculture Environmental Management
MSTM 6074 Aquaculture Site and Operational Assessment
MSTM 6075 Aquaculture Engineering Technology
Management

2. Up to three relevant elective courses (9 credit hours) may be transferred from other graduate programs within the School of Graduate Studies or from other post-secondary institutions recognized by Senate, subject to the approval of the Dean of Graduate Studies on the recommendation of the Academic Director.”

61. Postgraduate Medical Training Programs

It was moved by Dr. McKay, seconded by Dr. Ghazala, and following discussion carried that on page 304, 2010-2011 Calendar, insert the following new sections under the heading 7 Postgraduate Medical Training Programs as follows:

“7.6 Evaluation

1. The planning of the residency programs, including the policy on evaluation, is the responsibility of the Postgraduate Medical Education Committee and is based on the accreditation requirements of the Royal

Postgraduate Medical Training Programs (cont'd)

College of Physicians and Surgeons of Canada and the College of Family Physicians of Canada. The Postgraduate Medical Education Committee reports to the Dean of Medicine through the Assistant Dean.

2. Each resident is expected to complete the work of the program as outlined by the program-specific Residency Training Committee for each year of the program and to meet the prescribed goals and objectives of the program. The Residency Training Committee is chaired by a Program Director who reports to both the Assistant Dean of Postgraduate Medical Education and the Chair of the clinical discipline.

3. For each rotation, evaluation of the resident's performance is conducted by the supervisor responsible for the resident during the rotation. Evaluation is based on written assessments and performance-based direct observation. The results of the evaluation are expressed through an In-Training Evaluation Report (ITER), which records the competency level of the resident for each goal and objective of the rotation.

4. There are three possible outcomes for a resident's rotation, based on the results of the ITER: satisfactory, unsatisfactory, or incomplete. Residents learn the results of the ITER through online software (one45) administered by the Postgraduate Medical Education Office and the individual programs.

a. If a resident receives a satisfactory outcome in a rotation, he/she proceeds to the next rotation in the training schedule.

b. If a resident receives an unsatisfactory outcome in a rotation, the Residency Training Committee will design a remedial program to address the resident's area(s) of weakness. In some instances, the Committee may require the resident to repeat the entire rotation. Evaluation of the remedial program is adapted according to the goals and objectives to be achieved by the remedial program. If the resident receives an unsatisfactory evaluation in the associated remedial program, he/she will be placed on probation.

c. If a resident receives an incomplete outcome in a rotation, he/she will be required to complete the rotation.

5. If a resident receives an unsatisfactory evaluation for two rotations within one academic year, he/she will be placed on probation.

6. A resident has the right to appeal decisions leading to remediation and probation in accordance with the Postgraduate Medical Education's Evaluation, Promotion and Appeals Policy.

7.7 Probation

1. The terms of the probationary period are outlined in a probation contract with the resident. The length of the probationary period is determined by the Residency Training Committee and excludes vacation time, sick leave, and leaves of absence.

2. Successful completion of a probationary period requires satisfactory evaluations for all portions of the probationary period.

Postgraduate Medical Training Programs (cont'd)

7.8 Promotion

1. A resident's progress is monitored in each year by the Residency Training Committee. During the academic year, the resident meets with the Program Director (or designate) to review his/her ITERs - at six months and again at the end of the academic year. Based on these meetings, the Program Director prepares a Mid-Year Progress Report and an End-of-Academic-Year Report.

2. To successfully complete a postgraduate program, a resident must be promoted through each year of his/her program. The Residency Training Committee meets every year to review a resident's progress report(s). In some instances, the Committee may also review individual ITERs from the specific rotations. On the basis of this review, the Residency Training Committee decides which residents should be promoted to the next year and which residents are eligible to sit the national examinations of the Royal College of Physicians and Surgeons or the College of Family Physicians of Canada.

7.9 Dismissal

1. If a resident fails to successfully complete a probationary period, he/she will be dismissed from the program.

2. If a resident is recommended for probation twice during the program, he/she will be dismissed from the program.

3. The Faculty of Medicine reserves the right to require a resident to withdraw from a postgraduate program at any time with just cause. In such cases, the Dean, on behalf of the Faculty, recommends such withdrawal to the Registrar who will then take appropriate action. Any such action is subject to the right of appeal by the resident, in accordance with the Postgraduate Medical Education's Evaluation, Promotion and Appeals Policy."

62. Report of the Committee on Academic Appeals

ECS 2009-10: #9 - Appeal against the decision of the School of Graduate Studies to terminate his/her Ph.D. program in Management.

At the invitation of the Acting Chair, Mr. Chris Wass, member of the Senate Committee on Academic Appeals, presented the report of the Committee to Senate regarding this student's appeal. He advised that the Committee's recommendation is as follows:

Recommendation

Based on the documentation provided and the reasons outlined above, the Appeals Panel of the Senate Committee on Academic Appeals unanimously recommended to the Chair that the decision at earlier levels be upheld and that the appeal by the student against the decision to terminate his/her Ph.D. program be denied.

Following discussion, it was moved by Mr. Wass, seconded by Dr. Schipper, and carried to deny this student's appeal based on the report and recommendation from the Senate Committee on Academic Appeals. Several senators who had previous involvement in this appeal by virtue of

Report of the Committee on Academic Appeals (cont'd)

membership on Executive Committee of Senate, on the Academic Council of the School of Graduate Studies or its committees or as members of the academic unit abstained from voting.

63. Items for Information

63.1 The Executive Committee of Senate denied the following appeals:

ECS 2010-11: #7 - Appeal against the decision of the Special Senate Subcommittee and the Senate Committee on Undergraduate Studies for i) permission to drop retroactively and without academic prejudice, Science 1000, a course for which the student was registered in the Winter Semester 2010 and/or ii) readmission to the University without serving the six-semester period of withdrawal.

Dr. Simpson noted an appeal has been received by the Secretary of Senate from this student appealing to Senate. This appeal will be forwarded to the Committee on Academic Appeals.

ECS 2010-11: #8 - Appeal against the Senate Committee on Undergraduate Studies regarding ineligibility for readmission.

Dr. Simpson noted that an email has been received by the Secretary of Senate from this student advising of his/her intention of appealing to Senate. The Secretary will also forward this appeal to the Committee on Academic Appeals when it is received.

64. REMARKS FROM THE CHAIR - QUESTIONS/COMMENTS FROM SENATORS

Dr. Simpson reported that a discussion paper on the Teaching and Learning Framework will be released later this month for consultation with the university community.

65. ADJOURNMENT

The meeting adjourned at 4:45 p.m.

CHAIRMAN

SECRETARY