

MEMORIAL UNIVERSITY OF NEWFOUNDLAND  
SENATE

The regular meeting of Senate was held on February 16, 2016 at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

45. PRESENT

The President, Dr. R. Marceau, Dr. R. Shea (for Mr. G. Blackwood), Dr. M. Abrahams, Ms. S. Cleyle, Mr. B. Gardiner, Dr. A. Gaudine, Dr. D. Hardy Cox, Dr. C. Marra, Dr. F. Murrin, Dr. G. Naterer, Dr. L. Phillips, Dr. C. Reynolds, Ms. S. Singleton, Ms. L. White, Dr. S. Abhyankar, Dr. S. Carr, Mr. C. Couturier, Professor A. Fisher, Dr. G. George, Dr. M. Haghiri, Dr. D. Kelly, Dr. J. Lokash, Dr. A. Loucks-Atkinson, Dr. D. McKay, Dr. J. McLean, Ms. C. Molloy, Dr. M. Mulligan, Dr. A.C. Onodenaloro, Dr. K. Parsons, Dr. C. Purchase, Mr. K. Rideout, Dr. A. Rose, Mr. P. Ryan, Dr. C. Schiller, Dr. K. Simonsen, Dr. C. Thorpe, Professor D. Walsh, Dr. P. Wang, Dr. M. Wernerheim, Mr. H. Al-alaily, Ms. T. Nielsen, Mr. M. Allen, Ms. B. Byrnes, Ms. A. Kavanagh, Ms. S. Mauger, Mr. M. O'Keefe, Ms. L. Robertson.

The President noted the change of date of the February 9<sup>th</sup> meeting to today due to the closure of the University on that day.

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

Dr. Shannon Sullivan

**Welcome Acting Librarian**

Ms. Louise White

**Attending by Invitation for discussion of Item 6.F. Integrity A/B**

Ms. Jennifer Porter, Secretary, Senate Committee on Undergraduate Studies

Ms. Lorna Adcock, QEII Library

**Attending by Invitation for discussion of Item 6.I. School of Pharmacy:**

Dr. Lisa Bishop, School of Pharmacy

46. APOLOGIES FOR ABSENCE

Apologies were received from Dr. N. Golfman, Dr. K. Anderson, Dr. J. Rourke, Ms. L. Alcock, Dr. C. Callahan, Dr. J. Connor, Dr. S. Mulay, Dr. W. Schipper, Dr. C. Vardy.

47. CHANGE TO ORDER OF AGENDA

It was agreed, as a friendly amendment, to move item #5 Budget Update to Remarks from the Chair.

48. MINUTES

It was moved by Dr. Abhyankar, seconded by Dr. George, and carried that the Minutes of the regular meeting held on December 8, 2015 be taken as read and confirmed.

**CONSENT AGENDA**

It was moved by Professor Walsh, seconded by Dr. Murrin, and carried that the consent agenda, comprising the items listed in 49 to 51 below, be approved as follows:

49. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

49.1 Faculty of Engineering and Applied Science

Page 270, 2015-2016 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the calendar entry as follows:

**“3101 The Engineering Workplace Professionalism I** ~~is a course that deals with~~ examines issues associated with professional engineering practice and with functioning effectively in the workplace. Topics ~~will~~ include communication, workplace and professional ethics, information literacy, equity, gender, diversity, and public and workplace-occupational health and safety (including first-aid), ~~equity, gender and diversity issues, and technical written, oral and visual communication~~. This is a writing-intensive course with a critically-reflective component. Current accreditation graduate attributes are introduced for further development throughout the program.

~~AR: attendance is required”~~

Page 274, 2015-2016 Calendar, under the heading 11.7 Academic Term 7 Courses, renumber and move the course Engineering 7102 to under the heading 11.8 Academic Term Courses and amend the calendar entry as follows:

Faculty of Engineering and Applied Science (cont'd)

**“7102 8152 The Engineering Professionalism II** (same as the former ENGI 7102) examines ~~the origins and development of Engineering as a profession and its values, the place of technology in society and the nature of technological decisions~~ the demands upon the 21st Century engineer. Topics ~~will~~ include the roles and responsibilities of the professional engineer in society, the Engineering Code of Ethics, sustainable development, and environmental stewardship, the place of technology in society and the nature of technological decisions. Students will reflect on their entire course of studies, in the context of current accreditation graduate attributes. This is a writing-intensive course with a critically-reflective component.

CO: One of ENGI 8000, ENGI 8640, ENGI 8650, ENGI 8700, ENGI 8853, ENGI 8854, or ENGI 8926

CR: the former ENGI 5101, the former ENGI 7102

PR: ENGI 003W 004W”

Page 255, 2015-2016 Calendar, under the heading 4.2 Complementary Studies, Clause 2, amend the fifth bullet to read as follows:

“Engineering 7102 8152”

On pages 259 to 262 and pages 264 to 265, 2015-2016 Calendar, in each of Tables 1 to 6, in the column for required courses, from the row for Spring Academic Term 7, delete “~~ENGI 7102~~”, and to the row for Winter Academic Term 8, add “ENGI 8152”.

Page 274, 2015-2016 Calendar, under the heading 11.7 Academic Term 7 Courses, delete the entry for Engineering 7102.

Page 274, 2015-2016 Calendar, under the heading 11.7 Academic Term 7 Courses, revise the course title and description for Engineering 7854 to read as follows:

~~“7854 Industrial Machine Vision is a course in computer vision with an emphasis on techniques for automated inspection, object recognition, mechanical metrology, and robotics. The main focus is on image segmentation, feature extraction, morphological operators, recognition and photogrammetry while topics such as image enhancement, restoration, filtering and smoothing are covered to a lesser extent. Issues related to the efficient software implementation of these techniques for real-time applications are also addressed. Reasonably strong programming skills are required.~~

**7854 Image Processing and Applications** presents fundamental theoretical and practical concepts of image processing and analysis. These concepts include image enhancement and filtering, frequency

Faculty of Engineering and Applied Science (cont'd)

domain analysis, morphological image operations, image segmentation, and feature extraction. The course enables the use of these concepts to automatically process and analyze images and videos from various real-world applications such as biomedical imaging, visual surveillance, and robotics.

CR: Computer Science 4756

LH: at least four 3-hour sessions per semester”

Page 521, 2015-2016 Calendar, under the heading 10.4.4 Fourth Year Courses, amend the calendar entry for Computer Science 4756 as follows:

**“4756 Image Processing** will centre on the key analytical and algorithmic tools and concepts of digital image processing. Topics will include Transformations, Enhancement, Encoding, Data Bases, Segmentation and Description.

CR: Engineering 7854

LH: 3

PR: COMP 3719”

49.2 Marine Institute

Page 290, 2015-2016 Calendar, under the heading 10 Course Descriptions, add the following new Maritime Studies/Technology Management course as follows:

“MSTM 4008 Introduction to Offshore Oil and Gas will provide students with an understanding of the basic concepts of the oil and gas industry from a marine perspective. This course will cover the entire supply chain and industry structure from upstream to downstream. Topics discussed will give an overview of oil and gas; how it is explored and evaluated, extracted, refined, transported and traded.”

Page 288, 2015-2016 Calendar, under the heading 6.1 Bachelor of Maritime Studies, amend “Table 2 Bachelor of Maritime Studies – Course Requirements for All Students” as follows:

Marine Institute (cont'd)

<i>Required Courses</i>	<i>Group A Electives</i>	<i>Group B Electives</i>
3 credit hours in English at—the 1000 level MSTM 4001 <u>MSTM 4002</u> MSTM 4004 MSTM 4040 MSTM 4060 <del>MSTM 4090</del> MSTM 410A/B	Business 1101 or 2102 Business 4000 <del>MSTM 4002</del> MSTM 4005 <u>MSTM 4008</u> MSTM 4011 MSTM 4012 MSTM 4013 MSTM 4020 MSTM 4050 <u>MSTM 4090</u> Statistics 1510 or 2500 or equivalent	Economics 2010 Economics 2020 Economics 3030 Economics 3360 Geography 3510 Geography 4410 MSTM 4014 MSTM 4030 Philosophy 2571 Political Science 3210 Political Science 4200 Sociology 2120 <del>Sociology 3120</del>

49.3 School of Pharmacy

Page 449, 2015-2016 Calendar, under the heading 3.1 Vision Statement, amend the calendar entry as follows:

**“3.1 Vision Statement**

~~Working together towards a healthy tomorrow; Become....the future of pharmacy.~~

To be a distinguished and innovative experienced-based pharmacy education program that fosters excellence in practice, professionalism, scholarship, and research to improve our citizens’ health and well-being.”

Page 449, 2015-2016 Calendar, under the heading 3.2 Mission Statement, amend the calendar entry as follows:

**“3.2 Mission Statement**

~~As a School of Pharmacy with a strong sense of community, we are dedicated to:~~

- ~~• expanding the School of Pharmacy and developing the School as a Centre of Excellence for Comprehensive Pharmacy Studies;~~
- ~~• preparing pharmacy professionals committed to collaborative patient centered care;~~
- ~~• fostering excellence and innovation in research and graduate studies;~~
- ~~• advancing the scope of pharmacy practice; and~~

School of Pharmacy (cont'd)

- ~~building upon a learning environment in which every student is valued.~~

The School of Pharmacy:

Cultivates programs of distinction in pharmacy education and research, engages the broader community and offers innovative programs that are destinations of choice for undergraduate and graduate students, employers, and funding agencies, and provides leadership in pharmacy practice and research.”

49.4 School of Social Work

Page 544, 2015-2016 Calendar, under the heading 6.1 Bachelor of Social Work (as a First Degree), amend “Table 1 Bachelor of Social Work (as a First Degree)” as follows:

**Table 1 Bachelor of Social Work (as a First Degree)**

Year / Term	Required Courses	Elective Courses
Year 1 Fall and Winter	6 credit hours in English Psychology 1000 and 1001 SCWK 1710 Sociology 1000	12 credit hours in non-social work elective courses. No more than 6 of these credit hours can be taken from areas other than arts and science.
Year 2 Fall	One of Political Science 1010, 2600, 2800, Sociology 2230 or 2240 Psychology 2010 or Psychology 2020 <u>SCWK 230A</u> SCWK 2211 SCWK 2320 SCWK 2711	
Year 2 Winter	One of Philosophy 2551, 2552, 2553, or 2591 Psychology 2010 or Psychology 2020 (whichever one has not been taken during Fall above) <u>SCWK 230B</u> SCWK 2321 SCWK 2520 3 credit hours in Sociology at the 2000 level or above	
Year 3 Fall	SCWK 3300 SCWK 3311	
Year 3 Winter	Gender Studies 1000 SCWK 3221 SCWK 3521 SCWK 3720 One of Sociology 2250, 2270, 3290 or 3318	
Year 4 Fall	SCWK 4312 SCWK 4313 SCWK 4314 SCWK 4410	3 credit hours from: SCWK 4317 or 4620
Year 4 Winter	SCWK 4302	3 credit hours from: SCWK 4321, 4322, 4323 or SCWK 4820-4829

School of Social Work (cont'd)

Page 545, 2015-2016 Calendar, under the heading 6.2 Bachelor of Social Work (as a Second Degree), amend “Table 2 Bachelor of Social Work (as a Second Degree)” as follows:

**Table 2 Bachelor of Social Work (as a Second Degree)**

Year / Term	Required Courses
Year 1 Semester 1	SCWK 230A SCWK 230B SCWK 2211 SCWK 2320 SCWK 2520 SCWK 2711 SCWK 4410
Year 1 Semester 2	SCWK 2321 SCWK 3720 SCWK 4312 SCWK 4313 SCWK 4314
Year 1 Semester 3	SCWK 3300 SCWK 3311
Year 2 Semester 4	SCWK 3521 SCWK 4302

Page 547, 2015-2016 Calendar, under the heading 11 Course Descriptions, add the following new Social Work course as follows:

“230A/B Field Practicum Preparation Seminars expose students to both theoretical and practical aspects of field education in general and the field practicum specifically prior to the first field placement. The seminars will utilize a combination of lectures, guest speakers, panel discussions, and practical exercises to prepare students for their field practicum. This course will be evaluated as PAS or FAL based on attendance, participation, and assignments. In exceptional circumstances, components of this course may be offered outside of semester start and end dates and/or in an accelerated format.

AR: attendance is required

CH: 0

LC: as scheduled”

Page 547, 2015-2016 Calendar, under the heading 11 Course Descriptions, amend the calendar entry for Social Work 3300 as follows:

“3300 Social Work Internship 1 is a 350 hour supervised field experience that provides students with opportunities to apply social work principles, theories and skills to work with clients and communities. The field experience is designed to develop: professional use of self, beginning

School of Social Work (cont'd)

ability to implement planned interventions with diverse populations and an appreciation for social justice activities.

CH: 12

CO: SCWK 3311

CR: the former SCWK 4315, 4316, 4300, 4325 and 4326

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 230A/B, 2321, 3720, 4312, 4313, and 4314”

Page 542, 2015-2016 Calendar, under the heading 4. Description of Programs, amend the calendar entries for 4.1, 4.1.1, 4.1.2 and 4.1.3 as follows:

**4.1 Bachelor of Social Work**

The Bachelor of Social Work is a full-time program that is offered as a first or a second degree program and is comprised of course work and two ~~internships~~ practica. The degree qualifies graduates for beginning professional practice in social work settings. The objectives of the liberal education aspect of the undergraduate program includes the achievement of: general knowledge of people and nature, analytical and critical thinking and communication skills and knowledge of social, political and economic impacts in society. The objectives of the undergraduate program are to prepare students to: promote social justice and social well being and creatively challenge oppression; acquire and apply knowledge, skills, values, professional ethics and critical thinking abilities; recognize limitations and strengths as a beginning social work practitioner; integrate reflexively critical self-awareness; assume leadership in collaboration and interdisciplinary practice; utilize and participate in innovative and traditional inquiry and research models; creatively practice with diverse individuals and collectives; promote and critique the social work profession on, regional, provincial, national and global levels; commit to the process of lifelong learning; participate collaboratively and respectfully in innovative teaching and learning processes; and address issues of transition and crisis in diverse contexts (individuals, families, groups, communities, formal organizations and society).



School of Social Work (cont'd)

**4.1.1 Social Work Internships Practica**

- In addition to their course work, students are required to complete two supervised 350 hour internships practica which normally occur in Fall and Winter semesters. Students are expected to be available to engage in the internship practicum for 28 hours each week during the semester in which the internship practicum is scheduled.
- Each internship practicum is to be conducted in a setting and supervised by a qualified field instructor approved by the Field Education Coordinators, in compliance with the CASWE Standards for Accreditation and the relevant provincial legislation governing the practice of social work. Field instructors must possess, as a minimum qualification, a Bachelor of Social Work and/or a Master of Social Work from an accredited social work program plus a minimum of two years post-degree social work employment. Qualifications will be assessed in the case of international internships practica.
- Students normally are expected to be available for field internships practica throughout the Province of Newfoundland and Labrador.
- Field internships practica may be offered in whole or in part outside the normal start and end dates of the semester.
- The Field Education Coordinators are responsible for facilitating appropriate matches among students, field instructors, and field internship practicum settings. Although consideration will be given to all factors affecting the location and type of internships practica, final approval of field internships practica rests with the Field Education Coordinators. Students who refuse a internship practicum deemed suitable by the Field Education Coordinators may be delayed in their program or prevented from completing their program of study.
- Students are responsible for all costs associated with internships practica including travel, immunizations, police records/vulnerable sector checks and accommodation.
- Students shall submit an application, including Student Brief Resume, to the Field Secretary in the preceding January for Fall semester field internships practica and the preceding April for Winter semester field internships practica.

School of Social Work (cont'd)

- Students shall complete agency specific requirements, such as Criminal Record Check, Vulnerable Sector Check, Child Protection Records Check, or Health Check, before starting the internship practicum. Students unable to meet the agency's requirements may be delayed in their program or prevented from completing their program of study. Students are required to complete and update these requirements in a timely fashion and at their own expense. The requirements and procedures of any given agency may change from time to time and are beyond the control of the University.

**4.1.2 Field Internship Practicum Preparation Seminars**

In the semesters prior to their first internship practicum, students are required to participate in six field preparation seminars. These seminars review the field internship practicum requirements, aid students in writing resumes and preparing for interviews, and discuss ethics, professionalism, and respectful workplaces. Students who do not complete all six seminars may be delayed in starting their internship practicum.

**4.1.3 BSW Pledge of Professionalism Ceremony**

In the winter semester prior to their first internship practicum, students are required to participate in the BSW Pledge of Professionalism Ceremony. Students who do not meet this requirement may be delayed in starting their internship practicum.

Page 542, 2015-2016 Calendar, under the heading 5.1 General Information, amend the calendar entry as follows:

**5.1 General Information**

1. Entry to programs is competitive.
2. Selection of candidates will be based on academic standing, relevant work/volunteer experience, and personal suitability for a career in social work.
3. The School of Social Work depends on the cooperation of community agencies external to the University to provide field internships practica and instruction to its students. Many of these agencies have a range of requirements, such as a Certificate of Conduct or a Child Protection Records Check, which must be completed

School of Social Work (cont'd)

before starting the ~~internship~~ practicum. Students unable to meet these agencies' requirements may be delayed in their program or prevented from completing their program of study. Students are required to complete and update these requirements in a timely fashion and at their own expense. The procedures of any given agency may change from time to time and are beyond the control of the University.

4. As part of the regular quota, a minimum of three seats and up to five percent of the seats ~~up to three seats~~ per year are available in the Bachelor of Social Work as a First Degree program for applicants of ~~First Nations/~~Aboriginal ancestry who have met the minimum ~~numeric grade and course~~ requirements for admission to the program. Applicants must ~~send a letter of request at the time of application and~~ provide documentation of ~~First Nations/~~Aboriginal ancestry at the time of application.
5. As part of the regular quota, a minimum of three seats and up to five percent of the seats per year are available in the Bachelor of Social Work as a First Degree program for applicants who self-identify as a member of an equity group and who have met the minimum requirements for admission to the program. ~~The School may, at its discretion, give preference to applicants who self-identify as a member of an equity group.~~
6. As part of the regular quota, a minimum of one seat and up to five percent of the seats per year are available in the Bachelor of Social Work as a Second Degree program for applicants of Aboriginal ancestry who have met the minimum requirements for admission to the program. Applicants must provide documentation of Aboriginal ancestry at the time of application.
7. As part of the regular quota, a minimum of one seat and up to five percent of the seats per year are available in the Bachelor of Social Work as a Second Degree program for applicants who self-identify as a member of an equity group and who have met the minimum requirements for admission to the program.
68. Students applying for readmission must meet all admission and promotion requirements of the School of

School of Social Work (cont'd)

Social Work in effect for the year in which readmission is being sought.

Page 543, 2015-2016 Calendar, under the heading 5.3.1 First Degree Program, amend the calendar entry as follows:

**5.3.1 First Degree Program**

1. To be considered for admission to the Bachelor of Social Work program, applicants must have completed the 30 credit hours of required prerequisite courses 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 each of these required prerequisite 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 of prerequisite courses are:
  - 6 credit hours in English
  - Psychology 1000 and 1001
  - Sociology 1000
  - Social Work 1710
  - 12 credit hours in non-social work elective courses of which at least 6 credit hours must be from Arts and/or Science. ~~No more than 6 of these credit hours can be taken from areas other than arts and science.~~
2. In addition, applicants must have achieved an average of at least 65% in the courses comprising the last 30 credit hours attempted by the end of the Winter semester for the year in which admission is being sought and for which a numeric grade has been assigned.
3. Applicants for admission will be ranked according to their academic performance ~~In~~ in addition to other criteria used in the selection process, ~~applicants for admission will be ranked according to their academic performance~~. For further details please refer to the School's website at [www.mun.ca/socwrk/undergraduate/prospective.php](http://www.mun.ca/socwrk/undergraduate/prospective.php).

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- ~~4. During the period between the date of application and the commencement of year 2, successful candidates will be required to meet the **Academic Requirements and Promotion Regulations** of the School of Social Work.~~
54. Applicants will not be considered for admission if they have attempted SCWK 1710 twice and failed to receive a grade of 65% or higher. A student will not be considered for admission if he/she has attempted and failed to receive a grade of 65% or higher in two or more SCWK courses or has failed to receive a grade of 65% or higher in the same social work course twice.
5. Applicants who complete courses required by the BSW Program of Study prior to admission and receive a grade of less than 65% in these courses will be required to repeat the courses upon admission to the program in the semester required by the Program of Study.
6. Applicants must have completed a minimum of 60 hours of verified formal work/volunteer experience in human services.

Page 543, 2015-2016 Calendar, under the heading 5.3.2 Second Degree Program, amend the calendar entry as follows:

**5.3.2 Second Degree Program**

The Bachelor of Social Work as Second Degree is a 60 credit hour program intended for candidates who have completed the required courses, meet the academic performance requirements, and have extensive employment and/or formal volunteer experience. ~~Priority is given to applicants who are bona fide residents of the province of Newfoundland and Labrador.~~

1. To be considered for admission to the Bachelor of Social Work as a Second Degree, applicants ~~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 being sought) for the award of a Bachelor's Degree from a university recognized by Memorial University of Newfoundland;

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- 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 of required prerequisite courses outlined below by the end of the Winter semester preceding the academic year in which admission is being sought and achieved a grade of at least 70% in each of these required prerequisite courses. ~~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 of prerequisite courses are:
    - Social Work 1710
    - 6 credit hours in English
    - Psychology 2010 and 2020 or (2025 and 3 credit hours in Psychology at the 2000 level or above)
    - 6 credit hours in Sociology of which 3 must be at the 2000 level or above
    - 9 credit hours in Arts and/or Science at the 2000 level or above, ~~selected from the following: Anthropology, Economics, Folklore, Gender Studies (1000 level will be acceptable for Gender Studies only), Geography, History, Linguistics, Philosophy, Political Science, Psychology, and/or Sociology.~~
  - completed 300 hours of verified formal work/volunteer experience in human services
2. Applicants for admission will be ranked according to their academic performance in addition to other criteria used in the selection process. ~~In addition to other criteria used in the selection process, applicants for admission will be ranked according to their academic performance.~~

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3. Applicants will not be considered for admission if they have attempted twice and failed to receive a grade of 70% or higher in Social Work 1710. A student will not be considered for admission if he/she has attempted and failed to receive a grade of 65% or higher in two or more SCWK courses or has failed to receive a grade of 65% or higher in the same social work course twice.
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 544, 2015-2016 Calendar, under the heading 5.3.4 Readmission Requirements, amend the calendar entry as follows:

**5.3.4 Readmission Requirements**

1. In addition to requirements specified in **Admission/Readmission Regulations for the School of Social Work**, applicants for readmission to the Bachelor of Social Work will be assessed for eligibility in accordance with Academic Requirements and Promotion Regulations, in effect for the year in which readmission is being sought, and contingent upon availability of a seat in the semester for which readmission is sought. ~~Students who are readmitted to the program following a five-year absence will be required to do remedial work upon the recommendation of the Committee on Undergraduate Studies. Remedial work may include the repetition of classroom and/or internship courses.~~
2. Students who are absent from the program for more than three years must apply as a new applicant to the School of Social Work and will be required to repeat previously completed social work courses and may be required to repeat previously completed non-social work courses listed in the Social Work Program of Study.

Page 544, 2015-2016 Calendar, under the heading 6.1 Bachelor of Social Work (as a First Degree), amend the calendar entry and "Table 1 Bachelor of Social Work (as a First Degree)" as follows:

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**6.1 Bachelor of Social Work (as a First Degree)**

1. The 120 credit hour Bachelor of Social Work (as a First Degree) requires, 48 non-SCWK credit hours and 72 SCWK credit hours that include two ~~internships~~ practica as defined in **Table 1 Bachelor of Social Work Program of Study (as a First Degree)**.
2. Following admission to Year 2, credit hours shall normally be taken in the sequence as set out in **Table 1 Bachelor of Social Work Program of Study (as a First Degree)**. Students wishing to change the sequence and/or reduce the course load specified for Years 2 - 4 must receive written approval from the Dean of the School. A change in course sequence may result in an extension to the length of time normally required to complete the program.
3. Students must complete the application for Social Work ~~internship~~ practicum in January for Fall semester and in April for Winter semester.

Table 1 Bachelor of Social Work Program of Study (as a First Degree)

Year / Term	Required Courses	Elective Courses
Year 1 Fall and Winter	6 credit hours in English Psychology 1000 and 1001 SCWK 1710 Sociology 1000	12 credit hours in non-social work elective courses. <del>No more than 6 of these credit hours can be taken from areas other than arts and science, of which at least 6 credit hours must be from Arts and/or Science.</del>
Year 2 Fall	One of Political Science 1010, 2600, 2800, Sociology 2230 or 2240 Psychology 2010 or Psychology 2020 SCWK 2211 SCWK 2320 SCWK 2711	
Year 2 Winter	One of Philosophy 2551, 2552, 2553, or 2591 Psychology 2010 or Psychology 2020 (whichever one has not been taken during Fall above) SCWK 2321 SCWK 2520 3 credit hours in Sociology at the 2000 level or above	
Year 3 Fall	SCWK 3300 SCWK 3311	
Year 3	Gender Studies 1000	



Winter	SCWK 3221 SCWK 3521 SCWK 3720 One of Sociology 2250, 2270, 3290 or 3318	
Year 4 Fall	SCWK 4312 SCWK 4313 SCWK 4314 SCWK 4410	3 credit hours from: SCWK 4317 or 4620
Year 4 Winter	SCWK 4302	3 credit hours from: SCWK 4321, 4322, 4323 or SCWK 4820-4829

Page 545, 2015-2016 Calendar, under the heading 6.2 Bachelor of Social Work (as a Second Degree), amend the calendar entry and “Table 2 Bachelor of Social Work (as a Second Degree)” as follows:

## 6.2 Bachelor of Social Work (as a Second Degree)

1. The 60 credit hour Bachelor of Social Work (as a Second Degree) requires 60 SCWK credit hours including two ~~internships~~ practica as defined in **Table 2 Bachelor of Social Work Program of Study (as a Second Degree)**.
2. Following admission, credit hours shall normally be taken in the sequence as set out in **Table 2 Bachelor of Social Work Program of Study (as a Second Degree)**. Students wishing to change the sequence and/or reduce the course load specified for semesters 1-4 must receive prior written approval from the Dean of the School. A change in course sequence and/or reduction of the course load may result in an extension to the length of time normally required to complete the program.
3. Students must complete the application for Social Work ~~internship~~ practicum in January for Fall semester ~~internships~~ practica and in April for Winter semester ~~internships~~ practica.

**Table 2 Bachelor of Social Work Program of Study (as a Second Degree)**

Year / Term	Required Courses
Year 1 Semester 1 <u>Winter</u>	SCWK 2211 SCWK 2320 SCWK 2520 SCWK 2711 SCWK 4410
Year 1 Semester 2 <u>Spring</u>	SCWK 2321 SCWK 3720 SCWK 4312 SCWK 4313 SCWK 4314

Year 1 Semester 3 <u>Fall</u>	SCWK 3300 SCWK 3311
Year 2 Semester 4 <u>Winter</u>	SCWK 3521 SCWK 4302

Page 545, 2015-2016 Calendar, under the heading 6.2.1 Program Residency Requirements, amend the calendar entry as follows:

**“6.2.1 Program Residency Requirements**

Students shall be required to successfully complete all Social Work courses on the St. John’s campus except for: SCWK 1710, SCWK 3300, 3311, 3521, and 4302. ”

Page 545, 2015-2016 Calendar, under the heading 7.1 General Information, amend the calendar entry as follows:

**7.1 General Information**

1. The Committee on Undergraduate Studies will determine a student's promotion status at the end of each academic term.
2. Once a student has been accepted into the BSW degree, these regulations shall apply upon commencement of courses in the first semester of the program to the completion of the degree. ~~These regulations shall apply from the date of the application for admission/re-admission to the program to the completion of the program.~~
3. In addition to meeting the academic requirements and promotion regulations for the School all students must meet the general academic regulations (undergraduate). For further information refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)**.

Page 545, 2015-2016 Calendar, under the heading 7.2.1 Clear Promotion, amend the calendar entry as follows:

**7.2.1 Clear Promotion**

Clear Promotion means that a student can proceed to the next term without restrictions. Clear Promotion will be given to a student

School of Social Work (cont'd)

- ~~who has completed the academic term with an overall average of at least 65% and with a numeric grade of at least 65% in each SCWK course.~~
- who has completed the academic term with a numeric grade of at least 65% in each course in the program of study.
- who has completed an internship practicum with a letter grade of PAS (pass).
- who has maintained professional behaviour consistent with the current Code of Ethics of the Canadian Association of Social Workers (CASW) which is available at [www.casw-acts.ca/](http://www.casw-acts.ca/) and the Suitability for the Profession Policy & Procedures Suitability Policy of the School of Social Work, which is available at [www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix\\_SF-2.pdf](http://www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix_SF-2.pdf).

Page 545, 2015-2016 Calendar, under the heading 7.2.2 Probationary Promotion, amend the calendar entry as follows:

**7.2.2 Probationary Promotion**

Probationary Promotion means that a student has not received a **Clear Promotion** and must meet certain conditions to obtain Clear Promotion. A student can only receive Probationary Promotion **once** in the BSW program. Each of the following violations are mutually exclusive, meaning one violation is sufficient for a student to receive probationary promotion. Probationary Promotion will be given to a student

- ~~who has not obtained an overall term average of at least 65%. The student will be issued a letter of warning and must obtain an overall average of at least 65% in the subsequent academic term.~~
- who has completed the term with a numeric grade of less than 65% in one course in the program of study. who has not obtained a numeric grade of at least 65% in each required SCWK course. The student must repeat the course(s) within three academic terms from the unsuccessful completion and obtain a numeric grade of at least 65%. The student will not be permitted to repeat more than one course in the program of study. ~~two SCWK courses in the program and will subsequently be denied promotion should she/he receive less than 65% in the same social work course twice.~~

School of Social Work (cont'd)

- ~~• who has not obtained a numeric grade of at least 65% in each elective SCWK course. The student must successfully complete this course or another appropriate SCWK elective with a numeric grade of at least 65% before completion of the program. The student will not be permitted to repeat more than two SCWK courses in the program and will subsequently be denied promotion should she/ he receive less than 65% in the same social work course twice.~~
- ~~• who, with the prior approval of the Field Education Coordinator, has voluntarily withdrawn from a field internship practicum before its completion. In addition to the designation Probationary Promotion, the student will receive a grade of "INC" (incomplete) or DR (drop) for that internship practicum. Depending on the circumstances, the student will be required to successfully complete that internship practicum or a new internship practicum before continuing in the program.~~
- who behaves in a manner that breaches the current Code of Ethics of the Canadian Association of Social Workers ~~which is available at [www.easw-aets.ca/](http://www.easw-aets.ca/) and/or the Suitability for the Profession Policy & Procedures ~~Suitability Policy of the School of Social Work~~ Suitability Policy of the School of Social Work but for which the School considers that withdrawal from the program is not warranted. ~~The Suitability Policy of the School of Social Work is available at [www.mun.ca/soewrk/undergraduate/fieldBSW/Appendix\\_SF-2.pdf](http://www.mun.ca/soewrk/undergraduate/fieldBSW/Appendix_SF-2.pdf).~~~~

Page 546, 2015-2016 Calendar, under the heading 7.2.3 Promotion Denied, amend the calendar entry as follows:

**7.2.3 Promotion Denied**

Promotion Denied means that a student has not received either a **Clear Promotion** or a **Probationary Promotion** and must withdraw from the School. A student's eligibility for readmission is governed by conditions detailed below in **Other Information**. The following violations are mutually exclusive, meaning one violation in a term or across the program of study is sufficient for a student to receive Promotion Denied. Promotion denied will be given to a student:

- who has not met the conditions of his/her probation.
- who has received a numeric grade of less than 65% in more than one course in the program of study ~~two SCWK courses.~~

School of Social Work (cont'd)

- who has received a numeric grade of less than 65% twice in the same course in the program of study ~~social work course twice.~~
- who has conducted him/her self in such a manner as to cause the field agency and a Field Education Coordinator to terminate the internship practicum or who has voluntarily withdrawn from a field internship practicum without the prior approval of a Field Education Coordinator and the Committee on Undergraduate Studies.
- who has received a letter grade of FAL (fail) in an internship practicum.
- who behaves in a manner that breaches the current Code of Ethics of the Canadian Association of Social Workers ~~which is available at [www.casw-acts.ca/](http://www.casw-acts.ca/) and/or the Suitability for the Profession Policy & Procedures~~ Suitability Policy of the School of Social Work and for which the School considers that withdrawal from the program is warranted. ~~The Suitability Policy of the School of Social Work is available at [www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix-S-F-2.pdf](http://www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix-S-F-2.pdf).~~

Page 546, 2015-2016 Calendar, under the heading 7.2.4 Other Information, amend the calendar entry as follows:

**7.2.4 Other Information**

1. A student who has been denied promotion and has had to withdraw from the School ~~but~~ is eligible for consideration of readmission to the School according to the following three conditions. The student
  - must withdraw from the School for two academic terms before being considered for readmission; A student will normally be readmitted into the term from which promotion was denied. Readmission is contingent upon availability of a seat in the semester for which readmission is sought;
  - must meet readmission deadlines as per **Application Forms and Deadlines**; and
  - will be permitted only one readmission to the School. Once readmitted, the student must meet all conditions for Clear Promotion until the completion of the program of study or withdraw from the School.

School of Social Work (cont'd)

2. A student will not be eligible for consideration for admission or readmission to the School if he/she has:

- ~~received a numeric grade of less than 65% in more than two SCWK courses in the entire program, or received a numeric grade of less than 65% in the same SCWK course twice;~~
- ~~received a letter grade of FAL (fail) in more than one internship; or~~
- behaved in a manner that breaches the current Code of Ethics of the Canadian Association of Social Workers ~~which is available at [www.casw-aets.ca/](http://www.casw-aets.ca/) and/or the Suitability for the Profession Policy & Procedures~~ Suitability Policy of the School of Social Work and for which the School considers that withdrawal from the program is/was warranted. ~~The Suitability Policy of the School of Social Work is available at [www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix\\_SF\\_2.pdf](http://www.mun.ca/socwrk/undergraduate/fieldBSW/Appendix_SF_2.pdf).~~

3. Not withstanding number 1 and number 2 above, after three years, a student who was denied promotion and/or withdrew from the School can apply as a new applicant in accordance with Calendar requirements for the year in which admission is being sought. Upon admission, the student will be required to repeat previously completed social work courses and may be required to repeat non-social work courses listed in the social work program of study.

Page 546, 2015-2016 Calendar, under the heading 7.3 Leave of Absence, amend the calendar entry as follows:

**7.3 Leave of Absence**

Any student who wishes to withdraw from the program and to retain his/her status in the program may do so only with the written approval of the Committee on Undergraduate Studies and for a maximum period of one academic year. A student who wishes to resume his/her studies within this period must notify the Dean in writing three months prior to the beginning of the term in which he/ she wishes to continue his/her program. Students who do not return to the program at the end of their approved leave of absence will be deemed to have left the program.

School of Social Work (cont'd)

Page 546, 2015-2016 Calendar, under the heading 8 Graduation, amend the calendar entry as follows:

**8 Graduation**

Upon meeting the qualifications for the Bachelor of Social Work program a student must apply by the appropriate deadline date to graduate on the prescribed "Application for Graduation—" form. This form may be obtained on-line at the Memorial Self Service at [www3.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www3.mun.ca/admit/twbkwbis.P_WWWLogin). Additional information is available from the Office of the Registrar at [www.mun.ca/regoff/graduation/apply\\_grad.php](http://www.mun.ca/regoff/graduation/apply_grad.php).

Page 547, 2015-2016 Calendar, under the heading 11 Course Descriptions, amend the calendar entry as follows:

**3300 Social Work Internship Practicum 1** is a 350 hour supervised field experience that provides students with opportunities to apply social work principles, theories and skills to work with clients and communities. The field experience is designed to develop: professional use of self, beginning ability to implement planned interventions with diverse populations and an appreciation for social justice activities.

CH: 12

CO: SCWK 3311

CR: the former SCWK 4315, 4316, 4300, 4325 and 4326

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

**4302 Social Work Internship Practicum 2** is a 350 hour supervised field experience that provides students with opportunities to apply social work principles, knowledge and skills that demonstrates the capacity for independent practice at micro and macro levels. Emphasis is on developing strong analytical abilities, applying enhanced practice skills, mastering a variety of social work roles, implementing strategies that impact social justice and making professional judgments in increasingly complex situations.

CH: 12

CO: either SCWK 4321, 4322 or 4323 or one of SCWK 4820-4829; or SCWK 3521

CR: the former SCWK 5300, 5301, and 5315-5319

PR: SCWK 4312, 4313, 4314, 4410 and either 4317 or 4620 and successful completion of all designated Year 3 courses or admission to the second degree program option and successful completion of 3300 and 3311

49.5 Departments of Biochemistry and Chemistry

Page 472, 2015-2016 Calendar, under the heading 5.1.4 Biochemistry and Chemistry Joint Honours, amend the calendar entry as follows:

**“5.1.4 Biochemistry and Chemistry Joint Honours**

The following courses (or their equivalents) are required:

1. Chemistry 1050 and 1051 (or Chemistry 1010, 1011 and the former 1031) (or Chemistry 1200 and 1001) ~~or their equivalents~~, Mathematics 1000 and 1001, Physics 1050 and 1051, 6 credit hours in first year English courses. Biology 1001 and 1002 are highly recommended.
2. Mathematics 2000 ~~and 2050~~.
3. Chemistry 2100, 2210, ~~2300 or~~ 2301, 2302, 2400, 2401, 3110, 3211, ~~3303, 3410 3411, 3500, and 6 further credit hours in Chemistry courses at the 4000 level.~~
4. Nine further credit hours in Chemistry courses numbered 3000 or higher, at least 6 credit hours of which must be in courses numbered 4000 or higher.
5. Biochemistry 2100, 2101, 3105, 3106, and either 3107, 3108, or Medicine 310A/B
6. 12 credit hours either Biochemistry 4210 or 4211, 9 credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, 4210, 4211, 4220, 4230-4249.
  - a. ~~**Note:** Only one of Biochemistry 4105, 4220 may be chosen.~~
7. Either Chemistry 490A/B or Biochemistry 499A/B.
8. A sufficient number of elective courses to bring the degree to a total ~~Other courses to complete the prescribed minimum of 120~~ 135 credit hours in courses for the Joint Honours Degree. ~~Physies 2820 and/or Physies 2750 are recommended.~~

Note: Students should check prerequisites for 4000 level courses before making decisions about their 3000 level courses and seek academic advice if necessary.”

49.6 Department of Biology

Page 513, 2015-2016 Calendar, under the heading 10.2 Biology, amend the calendar entry as follows:

**“4405 Landscape Ecology** is an introduction to the theory and principles of landscape pattern and processes, including issues related to scale,



Department of Biology (cont'd)

networks, landform and vegetation patterns, species distributions, and natural and human-caused aspects of landscape change.

CO: Statistics 2550 or equivalent

LH: 3

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

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

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

49.7 Department of Chemistry

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

**“2210 Introductory Inorganic Chemistry** studies the chemistry of selected s, p, and d block elements. Introduction to crystal and molecular structures and to molecular orbital and crystal field theories.

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.

LH: 3

PR: minimum 60% in CHEM 1051 (or 1001 or the former 1031); Mathematics 1000

**2301 Thermodynamics and Kinetics** builds upon knowledge of physical chemistry from first year. It covers the three laws of thermodynamics for ideal and real systems as well as chemical kinetics. Topics in thermodynamics include the thermodynamics of ideal and real gases, phases, and solutions, the Maxwell relations, equilibria between phases, and in electrolyte solutions. The integrated rate laws for simple and complex mechanisms, and the temperature dependence of reaction rates in terms of kinetic molecular theory are some of the topics discussed in the kinetics section of the course.

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.

CO: ~~Mathematics 2000 is recommended~~

CR: CHEM 2300

LH: 3

PR: minimum 60% in CHEM 1051 (or CHEM 1001 or the former CHEM 1031); Mathematics 1001, ~~and~~ Physics 1051 or Physics 1021 is recommended.

Department of Chemistry (cont'd)

**2440 Organic Chemistry for Biologists** is an introduction to the principles of organic chemistry with an emphasis on material relevant to biological molecules. The laboratory will introduce techniques and illustrate concepts covered in the course. This course is designed primarily for Biology Majors.

AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.

CR: CHEM 2400, ~~the former 2420, the former 240A/B~~

LH: 3

PR: CHEM 1011 (or 1001 or 1051)

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

**3211 Inorganic Chemistry** is a detailed examination of the structure, bonding, and chemistry of the d block elements.

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.

LH: 3

PR: CHEM 2210; ~~CHEM 2301 (or 2300), and CHEM 2302~~

**3303 Statistical Thermodynamics and Rate Theories** examines physical chemistry from the microscopic viewpoint. Topics include probability distributions, quantum statistical mechanics, statistical thermodynamics, ensembles, kinetics and introduction to statistical rate theories as well as an introduction to computational chemistry (lab).

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: the former CHEM 3300

LH: 3

PR: CHEM 2301 ~~(or 2300)~~ and CHEM 2302 ~~(or the former CHEM 3301)~~ Mathematics 2000 and Mathematics 2050.

**4350 Advanced Physical Chemistry III: Selected Topics in Physical Chemistry** - ~~inactive course.~~

PR: CHEM 3303"

Page 490, 2015-2016 Calendar, under the heading 9.3.4 General Degree - Major in Chemistry, amend the calendar entry as follows:

**"9.3.4 General Degree - Major in Chemistry**

The courses required for a Major in Chemistry are:

Department of Chemistry (cont'd)

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, 3411, and 3500.
2. Physics 1050 (or 1020~~and 1021~~) and 1051 (or 1021).
3. Mathematics 1000, 1001, 2000, and 2050.

Page 490, 2015-2016 Calendar, under the heading 9.3.5.1 Required Courses, amend the calendar entry as follows:

**“9.3.5.1 Required Courses**

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, 3411, 3500, 490A/B and 12 credit hours selected from the remaining 4000-level Chemistry courses.
2. Physics 1050 (or 1020~~and 1021~~) and 1051 (or 1021).
3. Mathematics 1000, 1001, 2000, and 2050.”

Page 490, 2015-2016 Calendar, under the heading 9.3.5.2 Other Information, amend the calendar entry as follows:

**“9.3.5.2 Other Information**

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

Page 491, 2015-2016 Calendar, under the heading 9.3.6.1 Required Courses, amend the calendar entry as follows:

**“9.3.6.1 Required Courses**

1. Chemistry 1050 and 1051 (or 1010, 1011 and former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3210 or 3211, 3303, 4304, and 4305.
2. Physics 1050 (or 1020~~and 1021~~) and 1051 (or 1021), and 2820.
3. Mathematics 1000, 1001, 2000, 2050, 2051, 2260 (or 3260), and 3202.

Department of Chemistry (cont'd)

4. Computer Science 1510, 1710, 2710.
5. Computer Science 2500 or 2711.
6. Computer Science 3731 or Mathematics 3132
7. English 1080 and English 1110 or equivalent.
8. A sufficient number of elective courses to bring the degree up to a total of 120 credit hours must also be completed.”

Page 491, 2015-2016 Calendar, under the heading 9.3.6.2 Suggested Program of Study, amend the calendar entry as follows:

**“9.3.6.2 Suggested Program of Study**

Given appropriate circumstances the Major in Computational Chemistry program can be completed in four years. While students should consult the Undergraduate Handbook for further timetabling details, to complete the program in four years generally will require that students take the following courses in their first year:

1. English 1080 and English 1110 or equivalent.
2. Chemistry 1050 and 1051 (or 1200 and 1001).
3. Physics 1050 (or 1020 ~~and 1024~~) and 1051 (or 1021).
4. Mathematics 1000 and 1001
5. Computer Science 1510 and 1710”

Page 491, 2015-2016 Calendar, under the heading 9.3.7.1 Required Courses, amend the calendar entry as follows:

**“9.3.7.1 Required Courses**

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3210 or 3211, 3303, 4304, and 4305.
2. Physics 1050 (or 1020 ~~and 1024~~) and 1051 (or 1021), and 2820.
3. Mathematics 1000, 1001, 2000, 2050, 2051, 2260 (or 3260), and 3202.
4. Computer Science 1510, 1710, 2710.
5. Computer Science 2500 or 2711.
6. Computer Science 3731 or Mathematics 3132.
7. Chemistry 490A/B.
8. English 1080 and English 1110 or equivalent.
9. 3 additional credit hours in Biochemistry, Chemistry, Computer Science, Mathematics, or Physics at the 2000 level or above.
10. A sufficient number of elective courses to bring the degree up to a total of 120 credit hours must also be completed.”

Department of Chemistry (cont'd)

Page 491, 2015-2016 Calendar, under the heading 9.3.7.2 Suggested Program of Study, amend the calendar entry as follows:

**“9.3.7.2 Suggested Program of Study**

Given appropriate circumstances the Honours in Computational Chemistry program can be completed in four years. While students should consult the Undergraduate Handbook for further timetabling details, to complete the program in four years generally will require that students take the following courses in their first year:

1. English 1080 and English 1110 or equivalent.
2. Chemistry 1050 and 1051 (or 1200 and 1001).
3. Physics 1050 (or 1020-~~and 1024~~) and 1051 (or 1021).
4. Mathematics 1000 and 1001
5. Computer Science 1510 and 1710”

Page 471, 2015-2016 Calendar, under the heading 5.1.1 Applied Mathematics and Chemistry Joint Honours (B.Sc.Only), amend the calendar entry as follows:

**“5.1.1 Applied Mathematics and Chemistry Joint Honours (B.Sc. Only)**

The following courses are required:

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 1024~~) and 1051 (or 1021).
5. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2260 (or 3260), 3000, 3001, 3132, 3161, 3202, 3210, 4160.
6. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031 (or 1200 and 1001), 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 472, 2015-2016 Calendar, under the heading 5.1.4 Biochemistry and Chemistry Joint Honours, amend the calendar entry as follows:

Department of Chemistry (cont'd)

**“5.1.4 Biochemistry and Chemistry Joint Honours**

The following courses are required:

1. Chemistry 1050 and 1051 (or Chemistry 1010, 1011 and the former 1031) (or 1200 and 1001), Mathematics 1000 and 1001, Physics 1050 (or 1020) and 1051 (or 1021), 6 credit hours in first year English courses. Biology 1001 and 1002 are highly recommended.
2. Mathematics 2000 and 2050.
3. Chemistry 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, 3303, 3410, 3411, 3500, and 6 further credit hours in Chemistry courses at the 4000 level.
4. Biochemistry 2100, 2101, 3105, 3106, 3107, 3108, Medicine 310A/B, either Biochemistry 4210 or 4211, 9 credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, 4220, 4230-4249.
5. Either Chemistry 490A/B or Biochemistry 499A/B.
6. Other courses to complete the prescribed minimum of 135 credit hours in courses for the Joint Honours Degree. Physics 2820 and/or Physics 2750 are recommended.”

Page 473, 2015-2016 Calendar, under the heading 5.1.12 Chemistry and Earth Sciences Joint Honours, amend the calendar entry as follows:

**“5.1.12 Chemistry and Earth Sciences Joint Honours**

The following courses, including prerequisites, where applicable, will be required:

1. English 1080 and 1110 (or equivalents), Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) or their equivalents, Physics 1050 (or 1020 ~~and 1021~~) and 1051 (or 1021).
2. Earth Sciences 2030, 2031, 2401, 2502, 2702, 2905, 3420, 3600; plus 6 additional credit hours in 3000-level Earth Sciences courses, and 9 additional credit hours in 4000-level Earth Sciences courses.
3. Chemistry 2100, 2210, 2301 (or 2300), 2302, 2400, 2401, 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.
4. Mathematics 2000 and 2050.
5. Biology 2120 (or Biology 1001 and 1002) or Biochemistry 2101.

Department of Chemistry (cont'd)

6. An Honours Dissertation (Earth Sciences 499A/B or Chemistry 490A/B). The topic of the Honours Dissertation must have the prior approval of the Heads of the two Departments. A faculty member of either Department may act as supervisor.
7. Other courses to complete the prescribed minimum of 120 credit hours."

Page 341, 2015-2016 Calendar, under the heading 12.5 Chemistry, amend the calendar entry as follows:

**"2210 Introductory Inorganic Chemistry** studies the chemistry of selected s, p, and d block elements. Introduction to crystal and molecular structures and to molecular orbital and crystal field theories.

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.

LH: 3

PR: minimum 60% in CHEM 1051 (or 1001 or the former 1031); Mathematics 1000

**2301 Thermodynamics and Kinetics** builds upon knowledge of physical chemistry from first year. It covers the three laws of thermodynamics for ideal and real systems as well as chemical kinetics. Topics in thermodynamics include the thermodynamics of ideal and real gases, phases, and solutions, the Maxwell relations, equilibria between phases, and in electrolyte solutions. The integrated rate laws for simple and complex mechanisms, and the temperature dependence of reaction rates in terms of kinetic molecular theory are some of the topics discussed in the kinetics section of the course.

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.

~~CO: Mathematics 2000 is recommended~~

CR: CHEM 2300

LH: 3

PR: minimum 60% in CHEM 1051 (or CHEM 1001 or the former CHEM 1031); Mathematics 1001. and Physics 1051 or Physics 1021 is recommended.

**2440 Organic Chemistry for Biologists** is an introduction to the principles of organic chemistry with an emphasis on material relevant to biological molecules. The laboratory will introduce techniques and illustrate concepts covered in the course. This course is designed primarily for Biology Majors.

Department of Chemistry (cont'd)

AR: attendance is required in the laboratory component of this course. Failure to attend may result in a failing grade or deregistration from the course.

CR: CHEM 2400, ~~the former 2420, the former 240A/B~~

LH: 3

PR: CHEM 1011 (or 1001 or 1051)

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

Page 490, 2015-2016 Calendar, under the heading 9.3.4. General Degree – Major in Chemistry, amend the calendar entry as follows:

“The courses required for a Major in Chemistry are:

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, and 3411, ~~and 3500.~~  
...”

Page 490, 2015-2016 Calendar, under the heading 9.3.5. Honours Degree in Chemistry, amend the calendar entry as follows:

“Students wishing to take Honours should consult those sections of the Calendar dealing with Regulations for the Honours Degree of Bachelor of Science. ~~The Honours program in Chemistry consists of at least 63 credit hours in Chemistry courses. It is recommended that candidates also take groups of 18 or more credit hours in each of two other science subjects, normally Biochemistry, Biology, Earth Sciences, Physics, or Mathematics.~~”

Page 490, 2015-2016 Calendar, under the heading 9.3.5.1 Required Courses, amend the calendar entry as follows:

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, 3411, ~~3500~~, 490A/B and 12 credit hours selected from the remaining 4000-level Chemistry courses.  
...”

Page 471, 2015-2016 Calendar, under the heading 5.1.1 Applied Mathematics and Chemistry Joint Honours (B.Sc.Only), amend the calendar entry as follows:

“The following courses are required:

- ...
6. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031)



Department of Chemistry (cont'd)

(or 1200 and 1001), 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.  
..."

Page 472, 2015-2016 Calendar, under the heading 5.1.4 Biochemistry and Chemistry Joint Honours, amend the calendar entry as follows:

"The following courses are required:

..."

3. Chemistry 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, 3303, 3410, 3411, ~~3500~~, and 6 further credit hours in Chemistry courses at the 4000 level.  
..."

Page 473, 2015-2016 Calendar, under the heading 5.1.12 Chemistry and Earth Sciences Joint Honours, amend the calendar entry as follows:

"..."

3. Chemistry 2100, 2210, 2301 (~~or 2300~~), 2302, 2400, 2401, ~~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.  
..."

Page 474, 2015-2016 Calendar, under the heading 5.1.13 Chemistry and Physics Joint Honours, amend the calendar entry as follows:

"The following courses are prescribed:

..."

3. Chemistry 1050 and 1051 (or Chemistry 1010, 1011 and the former 1031; or Chemistry 1200 and 1001), 2100, 2210, 2301 (or 2300), 2302, 2400, 2401, 3210 or 3211, 3303, 3410, ~~3500~~, and 6 additional credit hours in Chemistry courses numbered 3000 or higher.
5. A sufficient number of 2 elective courses to bring the degree total to 120 credit hours.  
..."

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

**"3410 Bio-organic Chemistry** is a study of the major classes of biomolecules, their structure, function, and in vitro chemistry. An

Department of Chemistry (cont'd)

introduction to natural products. Synthetic polymers compared to biopolymers. Heteroaromatic molecules and derived biomolecules.

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: the former CHEM 3401

LH: 3

PR: CHEM 2401. ~~It is recommended that CHEM 3500 be taken concurrently.~~

~~**3500 Spectroscopic Analysis: Spectroscopy and Structure** is the application of spectroscopic methods to the determination of molecular structure. Emphasis will be placed on electronic, vibrational and rotational spectroscopy, nuclear magnetic resonance spectroscopy and mass spectrometry.~~

~~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.~~

~~LH: 3~~

~~PR: CHEM 2210, CHEM 2302 (or 2300) and CHEM 2401~~

**4420 Physical Organic Chemistry** is an introduction to the quantitative and qualitative theories of reactions and reactivity and their application to organic reaction mechanisms and to mechanism elucidation.

CR: the former CHEM 4400 and the former CHEM 4401

PR: CHEM 2302 or the former CHEM 3301, and CHEM 3411 or the former CHEM 3401. ~~CHEM 3500 is strongly recommended.~~

**4500 Advanced Nuclear Magnetic Resonance Spectroscopy** examines advances in modern and traditional NMR techniques, the principles and applications of solution and solid-state NMR spectroscopy and micro imaging.

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.

LH: 3

PR: CHEM 2302 and 2401 ~~3500.~~

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

**“2100 Analytical Chemistry I** ~~(same as the former CHEM 3100)~~ 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

Department of Chemistry (cont'd)

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 extractions, 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.

CR: the former CHEM 3100

LH: 4 3

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

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

**“4701 Principles of Pharmaceutical Chemistry** will provide the necessary foundation of knowledge to enable students to understand the principles of drug discovery, the main pharmacokinetics properties of drugs, the relationships between the chemical structure of drugs and their biological actions, their toxicity and side-effects, and the kinetics of inhibitory mechanisms and the metabolic reactions of drugs. It will also provide an overview of pharmaceutical regulatory affairs.

PR: Chemistry 3410 or Biochemistry 3105 or permission of the instructor

**Abbreviated Course Title:** Pharmaceutical Chemistry”

49.8 Department of Mathematics and Statistics

Page 498, 2015-2016 Calendar, under the heading 9.8.4 Major in Applied Mathematics (B.Sc. Only), amend the calendar entry as follows:

“ ...

2. Three credit hours in ~~Applied Mathematics~~ courses numbered 3000 or higher that are offered by the Department of Mathematics and Statistics, excluding Mathematics 3330.

...”

Page 529, 2015-2016 Calendar, under the heading 10.8.4 Statistics Courses, amend the calendar entry as follows:

**“3410 Probability and Statistics** covers basic probability concepts, combinatorial analysis, conditional probability, independence, random variables, distribution function, mathematical expectation, Chebyshev’s inequality, distribution of two random variables, binomial and related distributions, Poisson, gamma, beta, normal, multivariate normal, student t and F distributions, transformations of random variables, convergence

Department of Mathematics and Statistics (cont'd)

in probability, convergence in distribution, delta-method, moment-generating function technique, central limit theorem.

OR: one and a half hour tutorial period weekly

PR: Mathematics ~~1001~~ 2000"

Page 497, 2015-2016 Calendar, under the heading 9.8 Mathematics and Statistics, amend the calendar entry as follows:

" ...

~~From the point of view of degree regulations, Applied Mathematics, Pure Mathematics, and Statistics are considered to be one subject area."~~

..."

Page 497, 2015-2016 Calendar, under the heading 9.8.3 Course Numbering System, amend the calendar entry as follows:

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

Second Digit

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 ~~C~~ourses

Unless otherwise specified, where a regulation makes reference to Mathematics courses, this shall include courses in any of the categories listed above.

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."

49.9 Department of Physics and Physical Oceanography

Page 531, 2015-2016 Calendar, under the heading 10.10 Physics and Physical Oceanography, amend the calendar entry as follows:

Department of Physics and Physical Oceanography

**“3800 Computational Physics** is a project-based course ~~intended to that~~ trains students to become functional in computational methods, by writing and compiling computer code (C/Fortran) in a Unix environment to solve problems ~~drawn~~ from different areas of physics. Students ~~will~~ complete several ~~one or more~~ projects ~~selected from different areas of physics~~. Projects ~~that~~ will introduce the students to a particular class of numerical methods. Lectures and tutorials ~~will~~ cover the theory that underlies the computational methods and background for code development and the application of the required numerical methods.

~~CO: Any two 2000-level Physics course plus at least one other 3000-level Physics course~~

LC: 5

LH: 5

PR: Computer Science 1510 (or equivalent), PHYS 2820, Mathematics 2260 (or 3260), Mathematics 3202

**3820 Mathematical Physics II I** ~~examines the functions of a complex variable; residue calculus. Introduction to Cartesian tensor analysis. Matrix eigenvalues and eigenvectors. Diagonalization of tensors. Matrix formulation of quantum mechanics. Quantum mechanical spin. Vector differential operators in curvilinear coordinate systems. Partial differential equations of Mathematical Physics and boundary value problems; derivation of the classical equations, separation of variables; Helmholtz equation in spherical polar coordinates~~ focuses on applications of mathematical techniques to solve problems in physics. Vectors, vector calculus, matrices and tensors, coordinate systems and transformations, and summation notation are reviewed. Topics in complex numbers, functions and calculus are introduced, including branch cuts, differentiation, integration, Cauchy formula, series, residue theorem, and the gamma function. Other topics include differential equations using series solutions and separation of variables, and Fourier series of real and complex functions

PR: Mathematics 2260 (or 3260) and ~~PHYS 3810 (or Mathematics 3202).~~

**4820 Mathematical Physics III II** covers ~~further~~ topics on the common partial differential equations of Mathematical Physics and boundary value problems; Sturm-Liouville theory, Fourier series, generalized Fourier series, introduction to the theory of distributions, Dirac delta function, Laplace and Fourier transforms, Green's functions, Bessel functions, Legendre functions, spherical harmonics, and other topics such as group theory.

PR: Physics 3820 or all of Mathematics 2051, 2260, 3202, 3210”

49.10 Science 1807

Page 513, 2015-2016 Calendar, under the heading 10.2 Biology, add “PR: Science 1807” to the following Biology course descriptions: Biology 1001, 1002, 2010, 2060, 2120, 2122, 2210, 2250, 2600, 2900, 3014, 3050, 3052, 3053, 3202, 3295, 3300, 3401, 3402, 3500, 3530, 3610, 3620, 3709, 3710, 3711, 3712, 3714, 3715, 3950, 4010, 4012, 4040, 4050, 4122, 4141, 4180, 4182, 4200, 4241, 4245, 4250, 4251, 4255, 4360, 4404, 4405, 4550, 4620, 4630, 4710, 4810, 4820.

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, add “PR: Science 1807” to the following Chemistry course descriptions: Chemistry 1010, 1011, 1050, 1051, 2100, 2210, 2301, 2302, 2400, 2401, 2440, 3110, 3210, 3211, 3303, 3410, 3411, 4151.

Page 531, 2015-2016 Calendar, under the heading 10.6 Ocean Sciences, add “PR: Science 1807” to the following Ocean Sciences course descriptions: Ocean Sciences 3620, 4122.

Page 531, 2015-2016 Calendar, under the heading 10.10 Physics and Physical Oceanography, add “PR: Science 1807” to the following Physics course descriptions: Physics 1021, 1051, 2053, 2055, 3900, 4900.

Page 533, 2015-2016 Calendar, under the heading 10.11 Psychology, add “PR: Science 1807” to the following Psychology course descriptions: Psychology 3820, 4270, 4770, 4870.

Page 537, 2015-2016 Calendar, under the heading 10.12 Science, add “PR: Science 1807” to the following Science course descriptions: Science 1150, 1151.

49.11 Faculty of Business Administration

Page 212, 2015-2016 Calendar, under the heading 10.2 Core and Elective Course Descriptions, amend the calendar entry as follows:

**“1101 Principles of Accounting** emphasize the concepts and issues of introductory financial accounting as they relate to the Canadian conceptual framework, and will also address the strengths and weaknesses of financial reporting at an introductory level. The student will be introduced to the accounting process and analysis of the balance sheet, income statement, and the statement of cash flows ~~changes in financial position~~.

CR: BUSI 2102, the former BUSI 3100, the former BUSI 2100

PR: Mathematics 1090 or a combination of placement test and high school Mathematics scores acceptable to the Faculty”

Faculty of Business Administration (cont'd)

Page 202, 2015-2016 Calendar, under the heading 5.2.1.2 Advanced Standing (for Current Memorial University of Newfoundland Students), amend the calendar entry as follows:

- “1. Students may apply for admission with Advanced Standing into academic terms beyond Terms A/B up to and including Term 4. Students applying for admission to a term beyond Terms A/B must have completed all of the academic courses required in the program up to that term, including the courses required in Terms A/B, with grades at least as high as those required to meet promotion requirements. Students applying for admission with advanced standing must complete and submit to the Office of the Registrar the Faculty of Business Administration Application For Admission normally on or before the deadlines specified in the **University Diary** for the semester in which they intend to begin their program.
2. Students admitted with advanced standing into Term 4 must complete Business 300W during Term 4, Work Term 1 following Term 4, Work Term 2 following Term 5, and Work Term 3 following Term 7.
- ...”

Page 212, 2015-2016 Calendar, under the heading 10.2 Core and Elective Course Descriptions, amend the calendar entry as follows:

“**300W Business Professional Development Seminars** expose students to both theoretical and practical aspects of co-operative education in general and the work term in specific prior to the first work term. The seminars will utilize a combination of lectures, workshops, guest speakers, panel discussions, and practical exercises to prepare students for their work terms. This course will be evaluated as PAS or FAL based on attendance, participation, and assignments.

AR: attendance is required

CH: 0

LC: as scheduled

PR: Admission to the Bachelor of Commerce (Co-operative) Program”

Page 210, 2015-2016 Calendar, under the heading 6.3 Human Resources and Labour Relations, amend the calendar entry as follows:

**“6.3 Human Resources and Labour Relations**

Students electing the Human Resources and Labour Relations concentration should complete the following courses:

Faculty of Business Administration (cont'd)

1. ~~BUSI 6310~~, BUSI 6320, and BUSI 7310, ~~BUSI 7322~~; and
2. any ~~four~~ six of the following: BUSI 6301, BUSI 6310, BUSI 6311, BUSI 6312, BUSI 6330, BUSI 7315, BUSI 7320, BUSI 7321, BUSI 7322, BUSI 7330, ~~or~~ Economics 3360, and any other Human Resources or Labour Relations course (or courses) offered by the Faculty of Business Administration at the 6000 or 7000 level or above.

Page 209, 2015-2016 Calendar, under the heading 5.7.4.2 Cross-Cultural Study Experience, amend the calendar entry as follows:

1. The cross-cultural study experience provides an opportunity for students to immerse themselves in the culture, business environment, and language of their second global region in the context of the skills gained in the i.B.B.A. program. Students must submit a rationale in support of their choice of a location for their cross-cultural study experience. The rationale should indicate:
  - a. how the location supports the chosen second region;
  - b. how the location uses and builds on prior coursework and prior education, employment, and personal experiences; and
  - c. the courses to be completed on the cross-cultural study experience.
2. The Cross-Cultural Study Experience must be approved by the Undergraduate Programs Office before it can begin.
3. To ensure that students obtain regional perspectives and skills different from those to which they were exposed in their previous education, an approved cross-cultural study experience must include:
  - a. at least 9 credit hours with specific regional content ~~b. At foreign language locations, at least 3 of the credit;~~
  - b. at foreign language locations, at least 3 of the 9 credit hours above must be study of a regional language; and
  - c. at locations where English is the main language, at least 3 of the 9 credit hours identified above must normally be in non-business electives.

Page 212, 2015-2016 Calendar, under the heading 10.2 Core and Elective Course Descriptions, amend the calendar entry as follows:



Faculty of Business Administration (cont'd)

**“5401 Linear Optimization and Extensions I: Applications** is more complex linear optimization models. Emphasis will be on formulation and computer-based sensitivity analysis, applications to other fields of business, cases in linear optimization and related fields.

PR: BUSI 2400 or the former BUSI 4401, and Statistics 2500

**5402 Linear Optimization and Extensions II: Algorithms** include the simplex and revised simplex algorithms, sensitivity analysis and duality, goal optimization, advanced formulation of 0/1 models, branch and bound algorithm, network models: assignment, transportation, transshipment, shortest path, critical path, minimal spanning tree, and maximal flow.

PR: BUSI 2400 or the former BUSI 4401, and Statistics 2500

**6010 Strategic Management of Technology and Innovation** is designed to explore the strategic management of technology and innovation for improving competitiveness and for business development. This will include market-strategy-technology connections, and technical innovation/new product development processes. Technology and technical innovation are viewed as fundamental to strategic competitiveness and business development as important elements of the management of strategic change in the business firm. In approaching technical innovation as strategic implementation, business environmental, organizational capability, human resources and management factors will be discussed.

PR: BUSI 3700, BUSI 4000, BUSI 4050, BUSI 4320, BUSI 4330, BUSI 4500, and BUSI 5301

**6410 Logistics Management** will focus on transportation, location, procurement and distribution aspects of logistics management, within local and global settings. A number of classical and latest models related to the focus areas would be introduced, and some real-life case examples discussed. The focus is on modes of transportation, transportation management, facility location, procurement and supplier selection, distribution strategies, and global logistics.

PR: BUSI 2400, 3401, Statistics 2500

**6415 Supply Chain Management** is about the management of the processes, assets, and flows of material and information required to satisfy customers' demands. In this course, a few important supply chain drivers will be identified and investigated in details such as inventory, information and pricing. Those drivers determine the performance of a supply chain. The understanding of these key drivers and their inter-relationships with strategy and other functions of the company are really crucial in the management of any supply chain.

CO: BUSI 3401, 3700

PR: BUSI 2400, 3401, 3700, Statistics 2500

Faculty of Business Administration (cont'd)

**6605 Small Business Consulting** introduces students to the nature of business consulting and the challenges associated with growth in small firms. The course draws upon knowledge from various functional areas and emphasizes complex and interdisciplinary applications of this knowledge in a real-world environment. Topics include models of the consulting process, problem diagnosis, managing the client relationship, research design, document preparation and ethics in consulting. Working in teams students will undertake a problem-solving project for a local organization. Students will not be permitted to register for the course after the first day of classes.

AR: attendance is required

PR: BUSI 4000, BUSI 4050, BUSI 4330, BUSI 5301

**7000 Strategic Management 2** 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 corporations/businesses and institutions/purposeful activities, and in corresponding strategy formulation and planning for strategy implementation. Student learning activities may be based on published business cases, 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.

CO: BUSI 5301

PR: BUSI 4000, BUSI 4050, BUSI 4320, BUSI 4330, and BUSI 4500

**7410 Project Management** introduces appropriate methodology and theory for selecting, planning and managing projects. This includes the project portfolio selection, the initial creation of a plan in terms of the breakdown of the tasks, construction of the relationships and dependencies inherent in any plan, and controlling the execution of the activities according to the plan as the project proceeds. Emphasis will be placed on resource allocation, leveling and management, critical path analysis, risk analysis, accounting for uncertainties and time-cost trade offs. The role of the project manager and project team as well as issues related to multi-project management will also be addressed.

PR: BUSI 2400, 3401, Statistics 2500

**7415 Managing Business Process Flows** employs a logical, rigorous approach to studying the fundamentals of business processes. This approach is based on modeling business process and its flows, studying

Faculty of Business Administration (cont'd)

causal relationships between the business process and its performance, and formulation implications for managerial action by determining business process drivers and their impact on process management and performance. The focus is on business process flow, capability, productivity, variability, control, improvement, risk sharing and management, coordination and integration.

PR: BUSI 2400, 3401, 3700, Statistics 2500”

49.12 Faculty of Education

Page 223, 2015-2016 Calendar, under the heading 7.1 General Degree Programs, amend the calendar entry as follows:

“The Faculty of Education offers ten general degree and two diploma programs.

...

4. The **Bachelor of Education (Post-Secondary) as a First Degree** is designed to prepare students for a variety of instructional and leadership roles in formal and informal post-secondary education, including careers in academic, adult, community, technical and trades, and professional education. The program is available through part-time or full-time study. Students undertaking the program full-time are advised that a course load of 15 credit hours may not be available each semester.

5. The **Bachelor of Education (Post-Secondary) as a Second Degree** is a second degree program designed to prepare students for a variety of instructional and leadership roles in informal and formal post-secondary education, including careers in academic, adult, community, technical and trades, and professional education. Students in this program come from diverse backgrounds including administrative, academic, adult education, business, health, literacy, policy, student services, and technical and trades professions. The program is available through part-time or full-time study. Students undertaking the program full-time are advised that a course load of 15 credit hours may not be available each semester.”

...”

Page 234, 2015-2016 Calendar, under the heading 9.4 Bachelor of Education (Post-Secondary) as a First Degree, amend calendar entry to read as follows:

Faculty of Education (cont'd)

**9.4 Bachelor of Education (Post-Secondary) as a First Degree**

- The full or part-time Bachelor of Education (Post-Secondary) as a First Degree is a 120 credit hour program ~~approved by the Office of Undergraduate Student Services.~~
- The ~~detailed~~ requirements for the Bachelor of Education (Post-Secondary) as a First Degree are outlined ~~under~~ in [Table 5 Bachelor of Education \(Post-Secondary\) as a First Degree below.](#)

**Table 5 Bachelor of Education (Post-Secondary) as a First Degree**

Required Courses	Elective Courses
6 credit hours in English	12 additional credit hours chosen from ED <u>2740</u> , 2900, <u>3210</u> , 3440, 3710, 3720, 3730, 3801, 4450, 4700, 4710, 4730, 4760-4780
30 credit hours that satisfy the requirements for the <a href="#"><u>Diploma in Adult Learning and Post-Secondary Education</u></a> as follows: <del>48 credit hours in</del> ED 2700, 2710, 2720, 2730, 2801, 3280; and 12 credit hours chosen from ED 2800, 2803, 2806, 3730, 3801, 4730 with no more than 6 credit hours at the 2000 level.	12 additional credit hours in non-Education electives
30 credit hours in recognition of prior learning. Students who are not eligible for the maximum of 30 credit hours upon admission will be required to obtain further work experience and/or complete additional university courses.	
30 non-Education credit hours to complement and strengthen an area of teaching specialization or to provide development in an area within the field of post-secondary education.	

Page 234, 2015-2015 Calendar, under the heading 9.5 Bachelor of Education (Post-Secondary) as a Second Degree, amend the calendar entry as follows:

**9.5 Bachelor of Education (Post-Secondary) as a Second Degree**

- The Bachelor of Education (Post-Secondary) as a Second Degree is a full or part-time, 36 credit hour program intended for students who have completed an appropriate Bachelor's degree.
- The 36 credit hours are set out in **Table 6 Bachelor of Education (Post-Secondary) as a Second Degree.**
- A student can be awarded only one of the **Diploma in Adult Learning and Post-Secondary Education**, **Diploma in Adult Teacher Education**, **Diploma in Post-Secondary Education** or the Bachelor of Education (Post-Secondary) as a Second Degree.

Faculty of Education (cont'd)

- A student must also comply with **UNIVERSITY REGULATIONS** - General Academic Regulations (Undergraduate) - Second Degree.

**Table 6 Bachelor of Education (Post-Secondary) as a Second Degree**

Required Courses in Education	Elective Courses in Education
<del>18 credit hours in</del> ED 2700, 2710, 2720, 2730, 2801, 3280	12 credit hours chosen from ED <u>2740</u> , 2800, 2803, 2806, <u>3210</u> , 3730, 3801, 4450, 4730 with no more than 6 credit hours at the 2000 level 6 additional credit hours chosen from ED 2900, 3440, 3710, 3720, 3730, 3801, 4700, 4710, 4730, 4760-4780

Page 239, 2015-2016 Calendar, under the heading 9.10 Diploma in Adult Learning and Post-Secondary Education, amend the calendar entry to read as follows:

**9.10 Diploma in Adult Learning and Post-Secondary Education**

The Diploma in Adult Teacher Education and the Diploma in Post-Secondary Education have been replaced with the Diploma in Adult Learning and Post-Secondary Education. ~~A student currently admitted to the former programs may choose to transfer to the new program or complete the former program by August 31, 2016.~~ Students are advised to contact the Office of Undergraduate ~~Student Services Programs~~, Faculty of Education, for further consultation and information on the transfer process.

- The Diploma in Adult Learning and Post-Secondary Education ~~is a~~ may be completed on a full or part-time program basis and requires 30 credit hours in Education courses as outlined in **Table 15 Diploma in Adult Learning and Post-Secondary Education**.
- ~~A maximum of 12 credit hours used to fulfill the requirements of another degree or diploma may be used for this Diploma.~~
- At least 21 of the 30 credit hours required for the Diploma must be completed at this University.

**Table 15 Diploma in Adult Learning and Post-Secondary Education**

Required Courses in Education	Elective Courses in Education
<del>18 credit hours in Education as follows:</del> ED 2700, 2710, 2720, 2730, 2801, 3280	12 credit hours in Education chosen from: ED <u>2740</u> , 2800, 2803, 2806, <u>3210</u> , 3730, 3801, 4730, with no more than 6 credit hours at the 2000 level.

Faculty of Education (cont'd)

Page 240, 2015-2016 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

**“3210 Introduction to Guidance Services (PE, PS, AL)** is an introduction to guidance services in the modern school with specific emphasis on its history, purpose, basic concepts and principles, and services. Students are introduced to the nature of counselling, ways of developing effective interpersonal relationships within the school environment, and the role of the school counsellor and other educational personnel in the provision of guidance services.”

Page 240, 2015-2016 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

**“2740 Ethics and Professionalism in Adult and Post-Secondary Education (AL, PS)** will explore the ethical dimensions of adult and post-secondary education in Canadian higher education. Students will consider the meaning of ethical professional practice within the post-secondary environment. A particular emphasis will be placed upon the application of ethical theories to real world learning contexts within adult and post-secondary education.

**Abbreviated Course Title:** Ethics & Prof. Adult & P/S Ed”

Page 235, 2015-2016 Calendar, under the heading 9.6.1 Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option, amend Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree as follows:

**Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree**

<b>English (24 credit hours)</b> 6 credit hours in English at the 1000 level English 2390 or 3395 3 credit hours chosen from English 2000, 2001, 2005- 2007, 3200, 3201, 3205 3 credit hours chosen from English 2002-2004, 2010 or 2020, 2350, 2351 6 credit hours chosen from English 2146, 2150, 2151, 2155, 2156, 2160, 3145, 3147-3149, 3152, 3155-3158 3 additional credit hours in English at the 2000 level or above	<b>Folklore (24 credit hours)</b> Folklore 1000 Folklore 2100, 2300, 2401, 2500 <del>Folklore 3450 or 3930</del> 6 <u>9</u> credit hours in Folklore chosen from the 3000 or 4000 level
<b>French (<del>21</del> <u>24</u> credit hours)</b>	<b>Geography (18 credit hours)</b>

<p>A maximum of 6 credit hours at the 1000 level          French 2100 or equivalent          French 2101 or equivalent          French 2300 or equivalent  <u>6 credit hours chosen from French 2601, 2602, 2900 or equivalent</u>  <del>French 2601 or French 2602 or equivalent</del>          French 3100 or French 3101 or equivalent          At least four weeks at an approved Francophone institution in a French-speaking area or have acquired equivalent work experience in a Francophone environment.          Additional credit hours in French, if needed, to bring the total to 21.          It is recommended that a student complete at least one of French 2900, 3650, 3651, 3652, 3653, 3654.  <u>An applicant with French as a focus area must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam.</u>          Students may wish to select the <b>French Immersion Option</b> listed under the <b>Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option</b>.</p>	<p>Geography 1050, 2001, 2102, 2195, 2302, and 2425</p>
<p><b>History (18 credit hours)</b>          3 credit hours in History at the 1000 level          9 credit hours in History at the 2000 level          6 credit hours in Newfoundland and Labrador History at the 3000 level</p>	<p><b>Interdisciplinary Studies (18-24 credit hours)</b>          Non-Education courses for cohorts in special offerings of the program approved by the Faculty of Education. For information on Interdisciplinary Studies Focus Areas students should contact the Undergraduate Admissions Office, Faculty of Education.</p>
<p><b>Linguistics (18 credit hours)</b>          Linguistics 1100 or 2100          Linguistics 1103 or 2103          Linguistics 1104 or 2104</p>	<p><b>Mathematics (18 credit hours)</b>          No more than 6 credit hours in Mathematics at the 1000 level and at least 3 credit hours in Mathematics at</p>

<p>Linguistics 2210 6 credit hours chosen from Linguistics 3000, 3100, 3104, 3105, 3150, 3155, 3201, 3210, 3212, 3500, 3850</p>	<p>the 3000 level.</p>
<p><b>Music (18 credit hours)</b> Music 1120 3 credit hours chosen from Music 2011, 2012, 2013, 2014 3 credit hours chosen from Music 2021, 2022, 2023, 2611, 2612, 2613, 2614, 2619 (admission to 2612, 2613 and 2619 is by audition only) 6 credit hours chosen from Music 3014, 3015, 3016, 3017, 3018, 3019, 4040 3 additional credit hours from the courses in 2nd and 4th clauses above</p>	<p><b>Physical Education (18 credit hours)</b> Human Kinetics and Recreation 1000, 2210, 2300 9 credit hours chosen from Human Kinetics and Recreation 2002, 2310 or 2311, 2320, 2600, 2601, 3330, 3340, 3400, 3490</p>
<p><b>Religious Studies (18 credit hours)</b> Religious Studies 1000 3 credit hours chosen from Religious Studies 2013, 2130, 2140, 2330, 2340 3 credit hours chosen from Religious Studies 2400, 2410, 2420, 2425, 2430 3 credit hours chosen from Religious Studies 2350, 2610, 2810, 2811, 2812, 2820, 2830 6 credit hours in Religious Studies at the 3000 level or above</p>	<p><b>Science (18 credit hours)</b> At least 6 credit hours in each of two subject areas selected from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, or Physics.</p>
<p><b>Theatre Arts (18 credit hours)</b> For information on the Theatre Arts Focus Area contact the Undergraduate Admissions Office, Faculty of Education.</p>	<p><b>Visual Arts (18 credit hours)</b> Courses in Art History may be used to satisfy this requirement in whole or in part. For information on the Visual Arts Focus Area contact the Undergraduate Admissions Office, Faculty of Education.</p>



Faculty of Education (cont'd)

Page 225, 2015-2016 Calendar, under the heading 8.1 Bachelor of Education (Intermediate/Secondary), amend the calendar entry as follows:

“ ...

3. Academic Disciplines are deemed to be the disciplines on the following list. Courses from other disciplines deemed by the Admissions Committee to be equivalent to courses in any of the listed **Academic Disciplines for Bachelor of Education (Intermediate/Secondary)** will be acceptable.

**Academic Disciplines for Bachelor of Education  
(Intermediate/Secondary)**

Biochemistry	Biology	Business Studies - An applicant who uses Business Studies as an Academic Discipline must have at least a minor in Business Administration.
Canadian Studies	Chemistry	Earth Sciences
Economics	English	Environmental Science
French - <u>An applicant who uses French as an academic discipline must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam. An applicant who uses French as an Academic Discipline must also</u> have completed at least eight weeks (first academic discipline) or at least four weeks (second academic discipline) at an approved Francophone institution in a French speaking area or have acquired equivalent work experience in a Francophone environment.		
General Science - An applicant who uses General Science as an academic discipline may use courses chosen from the separate science disciplines in any combination from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, Physics but must complete a minimum of 12 credit hours in each separate science discipline used.		

Geography	History	Mathematics - may include Statistics
Newfoundland and Labrador Studies	Physical Education - In order to be considered for admission within this Academic Discipline, an applicant must have completed courses in the following areas: Human Anatomy, Human Physiology, Motor Learning, Biomechanics, Primary/Elementary Physical Education Curriculum and Teaching, Issues and Trends in Physical Education and a minimum of 18 credit hours in Physical Education activities.	
Physics	Political Science	Religious Studies
Theatre Arts	Visual Arts	

...”

Page 226, 2015-2016 Calendar, under the heading 8.2 Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education, amend the calendar entry as follows:

“ ...

**3. Academic Disciplines for Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education** are deemed to be the disciplines on the following list. Courses from other disciplines deemed by the Admissions Committee to be equivalent to courses in any of the listed **Academic Disciplines for Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education** will be acceptable.

**Academic Disciplines for Bachelor of Education  
(Intermediate/Secondary)  
Conjoint with the Diploma in Technology Education**

Biochemistry	Biology	Canadian Studies
Chemistry	Earth Sciences	Economics
English	Environmental Science	
French - <u>An applicant who uses French as an academic discipline must have written the DELF Tout Public (Level</u>		

<p><u>B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam. An applicant who uses French as an Academic Discipline must also have completed at least eight weeks (first academic discipline) or at least four weeks (second academic discipline) at an approved Francophone institution in a French speaking area or have acquired equivalent work experience in a Francophone environment.</u></p>		
<p>General Science - An applicant who uses General Science as an Academic Discipline may use courses chosen from the separate science disciplines in any combination from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, Physics but must complete a minimum of 12 credit hours in each separate science discipline used.</p>		
Geography	History	Mathematics - may include Statistics
<p>Physical Education - In order to be considered for admission within this Academic Discipline, an applicant must have completed courses in the following areas: Human Anatomy, Human Physiology, Motor Learning, Biomechanics, Primary/Elementary Physical Education Curriculum and Teaching, Issues and Trends in Physical Education and a minimum of 18 credit hours in Physical Education activities.</p>		
Physics	Political Science	Theatre Arts
Visual Arts		

...”

Page 227, 2015-2016 Calendar, under the heading 8.6 Bachelor of Education (Primary/Elementary) as a First Degree, amend the calendar entry as follows:

**“8.6 Bachelor of Education (Primary/Elementary) as a First Degree**

1. For application deadlines refer to the Application Deadline Dates table.
2. Consideration will be given to the courses for which an applicant is registered at the time of assessment of applications. An applicant who has completed all requirements for admission by the end of the Spring semester of the year that admission is being sought will be considered as time and resources permit.

Faculty of Education (cont'd)

3. To be considered for admission, an applicant must have successfully completed 60 credit hours as outlined in Clauses a. - h. below with a cumulative average of at least 65% or an average of at least 65% on the last attempted 30 credit hours. The 60 credit hours are:
  - a. 12 credit hours in English including at least 6 credit hours at the 2000 level or above - ESL courses cannot be used to satisfy this requirement;
  - b. 6 credit hours in Mathematics or 3 credit hours in Calculus;
  - c. 6 credit hours in Psychology;
  - d. Science 1150 and 1151; or 9 credit hours from 3 separate Science areas. The science areas are: Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, Physics; or a Focus Area in Science;
  - e. 6 credit hours chosen in any combination from Anthropology, Archaeology, Economics, Folklore, Geography, History, Linguistics, Political Science, Religious Studies, Sociology;
  - f. 6 credit hours in French (recommended) or 6 credit hours in a single language other than English, or demonstration of equivalent competency in a second language;
  - g. 15 credit hours as part of a focus area as set out in Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree; and
  - h. additional credit hours from areas other than Education.
4. An applicant with French as a focus area must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam.
5. In assessing applications to the Bachelor of Education (Primary/Elementary) as a First Degree program, consideration will be given to applicant's:
  - a. overall academic performance; and
  - b. personal statement and references as outlined on the application to the Faculty."

Page 228, 2015-2016 Calendar, under the heading 8.6.1 Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option, amend the calendar entry as follows:

Faculty of Education (cont'd)

**“8.6.1 Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option**

In addition to meeting the Admission Requirements for the **Bachelor of Education (Primary/Elementary) as a First Degree**, an applicant for this option must have French as a focus area as outlined in **Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree**. An applicant with French as a focus area must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam. A student admitted to this option will spend the two semesters of the Professional Year in a French milieu at an institution with which Memorial University of Newfoundland has a memorandum of ~~agreement~~ understanding. An applicant who is interested in the French Immersion Option should contact the Office of Undergraduate Programs, Faculty of Education, at his/her earliest opportunity.”

Page 228, 2015-2016 Calendar, under the heading 8.7 Bachelor of Education (Primary/Elementary) as a Second Degree, amend the calendar entry as follows:

**“8.7 Bachelor of Education (Primary/Elementary) as a Second Degree**

1. For application deadlines refer to the **Application Deadline Dates** table.
2. Consideration will be given to the courses for which an applicant is registered at the time of assessment of applications. An applicant who has attended institutions other than Memorial University of Newfoundland must supply transcripts indicating Fall semester grades by February 1.
3. To be considered for admission to the Bachelor of Education (Primary/Elementary) as a Second Degree program, an applicant must have:
  - a. been awarded a Bachelor’s Degree, or approved (prior to program start up) for the award of a Bachelor’s Degree from a university recognized by Memorial University of Newfoundland;
  - b. achieved a cumulative average of at least 65% or an average of at least 65% on the last attempted 30 credit hours;
  - c. completed a minimum of:

Faculty of Education (cont'd)

- 6 credit hours in English - ESL courses cannot be used to satisfy this requirement;
- 6 credit hours in Mathematics or 3 credit hours in Calculus;
- 6 credit hours in Psychology;
- Science 1150 and 1151 or 6 credit hours in science in any combination to be chosen from: Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, Physics. It is recommended that applicants have 9 credit hours in Science.
- 6 credit hours in any combination to be chosen from: Anthropology, Archaeology, Economics, Folklore, Geography, History, Linguistics, Political Science, Religious Studies, Sociology;
- 6 credit hours in French (recommended) or 6 credit hours in a single language other than English, or demonstration of equivalent competency in a second language; and
- the equivalent of a completed focus area as per **Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree** or the completion of a major or minor within the initial Bachelor's degree program in a subject area classified as a focus area.

An applicant with French as a focus area must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam.

An applicant ~~with French as a focus area~~ must also have completed at least 4 weeks at an approved Francophone institution in a French-speaking area or have acquired equivalent work experience in a Francophone environment.

4. In assessing applications to the Bachelor of Education (Primary/Elementary) as a Second Degree program, consideration will be given to the following:
  - a. overall academic performance; and
  - b . personal statement and references as outlined on the application to the Faculty.”

Faculty of Education (cont'd)

Page 228, 2015-2016 Calendar, under the heading 8.7.1 Bachelor of Education (Primary/Elementary) as a Second Degree, French Immersion Option, amend the calendar entry as follows:

**“8.7.1 Bachelor of Education (Primary/Elementary) as a Second Degree, French Immersion Option**

In addition to meeting the Admission Requirements for the **Bachelor of Education (Primary/Elementary) as a Second Degree** an applicant for this option must have completed a major in French of at least 36 credit hours or equivalent and achieved at least an average of 65% in the 36 credit hours. Applicants with a French major must have written the DELF Tout Public (Level B2) and achieved an overall grade of at least 70%, with no less than 60% in any one skill area of the exam. Applicants must have completed at least eight weeks at an approved Francophone institution in a French speaking area or have acquired equivalent work experience in a Francophone environment. Admission to this option will be competitive and based on overall academic performance and demonstrated commitment, in the personal statement, to studies in French and French Education. Applicants who are unable to fulfill the eight week immersion requirements will be considered on a case-by-case basis.”

Page 235, 2015-2016 Calendar, under the heading 9.6 Bachelor of Education (Primary/Elementary) as a First Degree, amend the calendar entry as follows:

**9.6 Bachelor of Education (Primary/Elementary) as a First Degree**

- The Bachelor of Education (Primary/Elementary) as a First Degree is a 150 credit hour program.
- The 150 credit hours must include: 75 credit hours in non-education courses including the courses required for admission, courses required to complete a focus area listed under **Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree** below, and Human Kinetics and Recreation 2001; and 75 credit hours in Education courses as set out in **Table 7 Bachelor of Education (Primary/Elementary) as a First Degree**.
- Following admission, a student will normally progress in attaining the 150 credit hours required for the Bachelor of Education (Primary/Elementary) as a First

Faculty of Education (cont'd)

Degree, in the academic terms, sequence and course load as set out in **Table 7 Bachelor of Education (Primary/Elementary) as a First Degree**. In particular, a student must have all non-education requirements completed prior to Professional Year; must enrol full-time during the Professional Year; and may enrol in the internship only after successful completion of the Professional Year.

- A student may choose to complete **Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option** listed below.

**Table 7 Bachelor of Education (Primary/Elementary) as a First Degree**

Term	Required Courses
	75 credit hours in non-education courses including the courses required for admission
Fall - Semester 1	ED 3618 ED 3951 Human Kinetics and Recreation 2001 6 credit hours in non-Education courses
Winter - Semester 2	ED 3484 ED 3619 ED 3952 6 credit hours in non-Education courses
Fall - Semester 3 (Professional Year, Semester 1)	Four Education courses from: ED 3120, 3131, 3273, 3312, 3322, 3940, 3962 (to be determined by the Office of Undergraduate Student Services, Faculty of Education) One of ED 2050, 2194, 2515, 3050, 4205, 4240 or 4242. ED 2515 is required for students <u>completing with a music focus area.</u> <u>ED 3050 is required for students with a French focus area.</u> Non-credit field experience (five days)
Winter - Semester 4 (Professional Year, Semester 2)	Four additional Education courses from: ED 3120, 3131, 3273, 3322, 3543, 3940, 3962 (to be determined by the Office of Undergraduate Student Services, Faculty of Education) One of ED 2050, 2194, 2515, 3050, 4205, 4240 or 4242. ED 2515 is required for students <u>completing with a music focus area.</u> <u>ED 3050 is required for students with a French focus area.</u> Non-credit field experience (five days)
Fall - Semester 5	ED 401X



Winter - Semester 6	ED 4240 (or an Education elective if ED 4240 has been completed previously) ED 4362 ED 4383 ED 4425 3 credit hours in an Education Elective A student may have the option of completing <b>Semester 6</b> courses in the Spring semester following the Professional Year.
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Page 229, 2015-2016 Calendar, under the heading Bachelor of Special Education, amend the calendar entry as follows:

**“8.10 Bachelor of Special Education**

1. For application deadlines refer to the **Application Deadline Dates** table.
2. Consideration will be given to the courses for which an applicant is registered at the time of application. Provisional acceptance may be granted to an applicant who will successfully complete all prerequisites prior to commencement of the program. A percentage of program spaces will be allocated to applicants having relevant teaching experience.
3. To be considered for admission an applicant shall have a minimum of a 65% average in the last 60 attempted credit hours (not including the internship) and also meet the following requirements:
  - a. ~~hold been awarded~~ a degree in Primary and/or Elementary Education, Music Education, or Intermediate/Secondary Education from Memorial University of Newfoundland or ~~another Education degree deemed appropriate by the Faculty of Education and from an institution recognized by Memorial University of Newfoundland.~~
  - b. Have ~~credit completed one of:~~
    - Education 4240 ~~or 4242~~ (or equivalent) ; and
    - Education 3312 and 3543, or 4350 (or equivalent).~~Intermediate/Secondary graduates must also have credit for Education 4350; Music Education graduates must also have credit for both Education 3312 and 3543 or 4350.~~
  - c. have successfully completed a professional internship in education or have equivalent teaching experience prior to admission.
4. There are four Education courses applicable to the Special Education degree program that may be completed prior to admission (following completion of an Education degree). They are Education 3040, 3640, 3660, 3941 (please see the **Course Descriptions** section for prerequisites).”

48.13 Grenfell Campus

Page 323, 2015-2016 Calendar, under the heading 7.5.4 Bachelor of Arts with Major in Social/Cultural Studies, in Table 22 Bachelor of Arts with major in Social/Cultural Studies, in the first column, amend third block as follows:

~~“78~~ 72 credit hours as follows:

- Anthropology 1031, ~~2210, 3140, 3083, 3525~~ 2410 and an additional 9 credit hours in Anthropology
- Folklore 1000, 2100, ~~2230, 2300, 2401~~ and an additional 9 credit hours in Folklore
- History 1100, 1101
- Social/Cultural Studies ~~2000~~, 4000, 4100, 4950
- Sociology 1000, ~~2120~~, 3040, 3150, ~~3314~~ and an additional 6 credit hours in Sociology
- ~~Eighteen additional credit hours from Anthropology, Folklore, and Sociology~~
- 9 credit hours at the 3000 or 4000 level chosen from Anthropology, Folklore, Sociology or Social/Cultural Studies.”

Page 359, 2015-2016 Calendar, under the heading 12.28 Social/Cultural Studies, amend the calendar entry as follows:

**“Social/Cultural Studies 2000: Introduction to Social/Cultural Studies** introduces students to the theory and the intellectual and historical contexts of anthropology, folklore and sociology as the central academic foci of Social/Cultural Studies. Readings and lecture materials, drawn from each of the three disciplines, introduce students to core concepts, ideas and debates found within each cognate and the ways in which all three disciplines contribute to Social/Cultural Studies as an interdisciplinary field of study.”

Page 310, 2015-2016 Calendar, under the heading 7.2.2 Bachelor of Arts with Major in Historical Studies, in Table 4 Bachelor of Arts with Major in Historical Studies, in the column entitled Required Courses, amend the calendar entry as follows:

~~“15 credit hours chosen from the courses below which are thematically or methodologically relevant to the study of History (students may be allowed to take others with permission of the Program Chair). Applicable courses used to satisfy the Minor requirements may also be counted as Historical Studies credits. No~~

Grenfell Campus (cont'd)

~~more than 6 credit hours from any one discipline will be counted toward Historical Studies Major.~~

Fifteen credit hours chosen from:

Anthropology 1031, Anthropology/Folklore/Sociology 2230, Classics 2055, Classics 3700, Economics 2010, Economics 2020, English 2005, English 2006, English 2007, Folklore 1000, ~~Folklore 1050~~, Folklore 2401, French 1501, French 1502, French 2100, French 2101, French 2601, French 2602, ~~the former Geography 1000~~, ~~the former Geography 1001~~, Geography 1050, Geography 2001, Humanities 2002, Humanities 3001, Humanities 3002, Humanities 4001, Philosophy 1600, Philosophy 2701, Philosophy 2702, Philosophy 3400, Political Science 1000, Political Science 1020, ~~Political Science 2000~~, Political Science 2200, ~~Political Science 2500~~, Political Science 2800, Religious Studies 2013, Religious Studies 2050, Religious Studies 2051, Sociology 1000, Sociology 2120, Sociology 3040, Sociology 3150, Sociology 3160

Note: These are courses that are thematically or methodologically relevant to the study of History (students may be allowed to take others with permission of the Program Chair). Applicable courses used to satisfy the Minor requirements may also be counted as Historical Studies credits.

No more than 6 credit hours from any one discipline will be counted toward Historical Studies Major.”

Page 362, 2015-2016 Calendar, under the heading 12.34.1 1<sup>st</sup> Year, amend the calendar entry as follows:

**“1500 Drawing I** is provides the fundamentals of drawing with study of line, tone, shape, volume, form, texture, space. Emphasis on ~~drawing the human figure and~~ studio practice.

AR: attendance is required

CO: VART 1510 and VART 1520

CR: the former VART 100A/B

OR: 4 hours of studio per week

**1501 Drawing II** ~~is a continuation of work begun in Drawing I.~~ is the exploration of tools, materials, processes and ideas of contemporary drawing practices.

AR: attendance is required

CO: VART 1511 and VART 1521

Grenfell Campus (cont'd)

CR: the former VART 100A/B  
OR: 4 hours of studio per week  
PR: VART 1500

**1510 Two-Dimensional Design and Media Art Practices I** ~~is the exploration of two-dimensional surface, spatial organization and media through studio practice.~~ is an introduction to the fundamental principles and elements of two-dimensional surface and spatial organization through studio practice.

AR: attendance is required  
CO: VART 1500 and VART 1520  
CR: the former VART 110A/B  
OR: 4 hours of studio per week

**1520 Material and Immaterial Practices I** ~~Three-Dimensional Design and Media I is the exploration three dimensional form, spatial organization and media through studio practice.~~ explores various media and approaches used in contemporary art studio practice, with a focus on three-dimensional materials and processes. Students will also explore immaterial practices through activities that explore the relationships between such concepts as the body, space, time, ideas, and context.

AR: attendance is required  
CO: VART 1500 and VART1510  
CR: the former VART 120A/B  
OR: 4 hours of studio per week

**1521 Material and Immaterial Practices II** ~~Three-Dimensional Design and Media II~~ is a continuation of the work begun in *Three-Dimensional Design and Media I*. explores various media and approaches used in contemporary art studio practice, with a focus on textiles/fibre art practices. Students will also explore immaterial practices through activities that explore the relationships between such concepts as the body, space, time, ideas, and context.

AR: attendance is required  
CO: VART 1501 and VART 1511  
CR: the former VART 120A/B  
OR: 4 hours of studio per week  
PR: VART 1500”

Page 363, 2015-2016 Calendar, under the heading 12.34.2 2<sup>nd</sup> Year, amend the calendar entry as follows:

Grenfell Campus (cont'd)

**“2200 Introductory Sculpture I – ~~is~~ provides** development of accurate and expressive control of three-dimensional media with an emphasis on areas such as formed sculpture and installation/site-specific sculpture.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 1500 and VART 1501, VART 1510 and VART 1511, VART 1520 and VART 1521

**2201 Introductory Sculpture II – ~~is a continuation of the work begun in VART 2200. is~~ provides** the development of accurate and expressive control of three-dimensional media with an emphasis on areas such as carved sculpture and constructed sculpture.

AR: attendance is required

OR: 4 hours of studio per week

PR: ~~VART 2200~~ VART 1500 and VART 1501, VART 1510 and VART 1511, VART 1520 and VART 1521

**2320 Introductory Printmaking: Serigraphy Screenprinting** ~~is~~ provides an intensive exploration of ~~Serigraphic Printmaking~~ screenprinting concepts and techniques.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 1500 and VART 1501, VART 1510 and VART 1511, VART 1520 and VART 1521

**2400 Introductory Photography I** ~~is~~ introduces basic theory and technique of ~~black and white~~ photography using both film and digital cameras and provides experience in including black and white negative exposure, film development and print production techniques.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 1500 and VART 1501, VART 1510 and VART 1511, VART 1520 and VART 1521”

Page 363, 2015-2016 Calendar, under the heading 12.34.3 3<sup>rd</sup> Year, amend the calendar entry as follows:

**“3000 Intermediate Drawing–I** ~~is~~ provides further development of drawing skills with an emphasis on broadening the range of potential drawing investigations.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 2001

Grenfell Campus (cont'd)

**3001 Intermediate Expanded Drawing II** ~~is—provides~~ further development of drawing skills using traditional and non-traditional media.

AR: attendance is required

OR: 4 hours of studio per week

PR: ~~VART 3000~~ VART 2001

**3200 Intermediate Sculpture I** ~~is—provides the continued~~ development of independent and personal expression—skills in sculpture sculptural media. Creation of artworks will be related to research into such issues as the following: concept, historical and contemporary artistic context, image and media.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 2200 and VART 2201

**3201 Intermediate Sculpture II** ~~is—a continuation VART 3200 is~~ provides for development of independent and personal expression in sculptural media. Creation of artworks will be related to such issues as the following: location, site, installation, presentation and exhibition.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART ~~3200~~ 2200 and VART 2201

**3300 Intermediate Printmedia I** ~~is—projects in printmedia. The course~~ will introduce contemporary printing technologies and media applications in conjunction with development of personal expression and critical awareness in the use of printmedia.

AR: attendance is required

CR: the former VART 3310 and 3320

OR: 4 hours of studio per week

PR: 6 credit hours from any of VART 2310, 2311, 2320, 2321 or 3 credit hours from any of VART 2310, 2311, 2320, 2321 and 3 credit hours from any of VART 2400, 2401, 2600, 2601, 2901.

**3301 Intermediate Printmedia II** ~~is—projects in Printmedia~~ builds upon a range of skill sets from within printmaking, printmedia, photomechanical, digital and other forms of multiple producing technologies. In consultation with the instructor students will select the medium or combination of media in which to work.

AR: attendance is required

CR: the former VART 3311 and VART 3321

OR: 4 hours of studio per week

PR: VART 3300 or 6 credit hours from any of VART 2310, 2311, 2320, 2321 and 3 credit hours from any of VART 2400, 2401, 2600, 2601, 2901

Grenfell Campus (cont'd)

**3400 Intermediate Photography I** ~~is~~ provides critical reading and evaluation of photographs. Photographic skills will be further developed, including the use of lighting, colour and larger camera and film formats and colour or black and white digital output. Studio time is balanced with regular lectures on the theory and history of photography.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 2401

**3401 Intermediate Photography II** ~~is~~ includes critical reading and evaluation of photographs a continuation of VART 3400 and experience in producing a body of work in series, suite, or photobook form. Studio time is balanced with regular lectures on the theory and history of photography.

AR: attendance is required

OR: 4 hours of studio per week

PR: VART 3400 2401"

49.14 Faculty of Medicine

Page 409, 2015-2016 Calendar, under the heading 11.1.3 Phase 3 – Diagnosis and Investigation of Illness and Disease, amend the calendar entry as follows:

"**7750 Community Engagement III** allows students to further explore the interactions between patients and the health care system.

AR: attendance is required

**Abbreviated Course Title:** Community Engagement III"

Page 404, 2015-2016 Calendar, under the heading 6 Description of Medical Training Program, amend the calendar entry as follows:

"The Faculty of Medicine offers a four-year undergraduate medical program, comprising a minimum of ~~186~~ 189 credit hours, leading to the degree of Doctor of Medicine (M.D.)."

Page 408, 2015-2016 Calendar, under the heading 11.1.1 Phase 1 – Health and Its Promotion, amend the calendar entry as follows:

"**5730 Special Projects I Physician Competencies I** introduces students to concepts that encompass the non-medical expert ~~CanMEDS-~~ physician roles of scholar, communicator, collaborator, advocate, manager and

Faculty of Medicine (cont'd)

professional in the context of the healthy person, family and the physician within health care systems.

**Abbreviated Course Title:** 5730 Physician Competencies I”

Page 408, 2015-2016 Calendar, under the heading 11.1.2 Phase 2 – Disease Prevention and Disruptions of Health, amend the calendar entry as follows:

**“~~6770 Special Projects II~~ Physician Competencies II** has students apply concepts that encompass the non-medical expert ~~CanMEDS~~ physician roles of scholar, communicator, collaborator, advocate, manager and professional in the context of the patient’s change in health status management and prevention.

**Abbreviated Course Title:** 6770 Physician Competencies II”

Page 409, 2015-2016 Calendar, under the heading 11.1.3 Phase 3 – Diagnosis and Investigation of Illness and Disease, amend the calendar entry as follows:

**“~~7730 Special Projects III~~ Physician Competencies III** continues to develop student competencies in the non-Medical Expert ~~CanMEDS~~ physician roles introduced in previous special project courses.

CH: 2

CH: 12

**Abbreviated Course Title:** 7730 Physician Competencies III”

49.15 Department of Biochemistry

Page 472, 2015-2016 Calendar, under the heading 5.1.4 Biochemistry and Chemistry Joint Honours, amend the calendar entry as follows:

**“5.1.4 Biochemistry and Chemistry Joint Honours**

The following courses are required:

1. Chemistry 1050 and 1051 (or Chemistry 1010, 1011 and the former 1031) (or 1200 and 1001), Mathematics 1000 and 1001, Physics 1050 and 1051, 6 credit hours in first year English courses. Biology 1001 and 1002 are highly recommended.
2. Mathematics 2000 and 2050.
3. Chemistry 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, 3303, 3410, 3411, ~~3500~~, and 6 further credit hours in Chemistry courses at the 4000 level.
4. Biochemistry 2100, 2101, 3105, 3106, 3107, 3108, Medicine



Department of Biochemistry (cont'd)

310A/B, either Biochemistry 4210 or 4211, 9 credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, ~~4220~~, 4230-4249.”

Page 472, 2015-2016 Calendar, under the heading 5.1.6 Biochemistry and Psychology (Behavioural Neuroscience Joint Honours), amend the calendar entry as follows:

**“5.1.6 Biochemistry and Psychology (Behavioural Neuroscience) Joint Honours**

*Note: Students completing this program cannot receive credit for Psychology 2920.*

The following courses (or equivalent) are required to complete the 120 credit hours in courses required for the degree:

1. Chemistry 1050 and 1051 (or 1200 and 1001), Biology 1001 and 1002, Mathematics 1000 and 1001, Physics 1050, (or 1020), 1051 (or 1021), English 1080 and 1110.
2. Biochemistry 2100, 2101, 3105, 3106, 3107, 3108, Medicine 310A/B, either 4210 or 4211, 9 credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, ~~4220~~, 4230-4249, **Chemistry 4701.**”

Page 472, 2015-2016 Calendar, under the heading 5.1.7 Biochemistry (Nutrition) and Psychology (Behavioural Neuroscience) Joint Honours, amend the calendar entry as follows:

**“5.1.7 Biochemistry (Nutrition) and Psychology (Behavioural Neuroscience) Joint Honours**

*Note: Students completing this program cannot receive credit for Psychology 2920.*

The following courses (or equivalent) are required:

1. Chemistry 1010 and 1011 (or 1050, 1051) (or 1200 and 1001), Biology 1001 and 1002, Mathematics 1000, Physics 1020 or 1050, and 1021 (or 1051), English 1080 and 1110.
2. Biochemistry 2100, 2101, 2600, 3106, 3203, 4002, 4300, 4301, 4502, Medicine 310A/B; one course chosen from: Biochemistry 3105, 3107, 3108, 3202, 3402, 3600, 4101, 4103, 4104, 4105, 4200, 4201, 4210, 4211, ~~4220~~, 4230-4249, Biology 3050, **Chemistry 4701.**”

Department of Biochemistry (cont'd)

Page 483, 2015-2016 Calendar, under the heading 9.1.2.1 Honours Degree in Biochemistry, amend the calendar entry as follows:

**“9.1.2.1 Honours Degree in Biochemistry**

3. Required courses:

- a. Biochemistry 2100, 2101, 3105, 3106, 3107, 3108, 4102, 499A, 499B, Medicine 310A/B.
- b. Biochemistry 4210 or 4211.
- c. Twelve credit hours in courses from Biochemistry 4002, 4101, 4103, 4104, 4105, 4200, 4201, 4230-4239.
- d. At least 6 credit hours in courses from Biochemistry 2600, 3203, ~~4220~~, 4240-4249, Biology 2060, 3050, 3530, 4200, 4245, 4404, Chemistry 4201, 4701.
- e. Biology 1001 and 1002; Mathematics 1001; and Physics 1050 (or 1020), 1051 (or 1021), for those students who did not complete them in first year. (See Notes 1. and 2. below).
- f. Chemistry 1051 is a required course for the major in Biochemistry and must normally be completed prior to entrance into 2nd year Chemistry and Biochemistry courses. Students who do not meet the requirements for entry into Chemistry 1050 from high school can take Chemistry 1010 followed by Chemistry 1050 and 1051. It is strongly recommended that these students complete Chemistry 1051 prior to second year.
- g. Chemistry 2301 or Physics 2053, Chemistry 2400, 2401, one of Chemistry 3410 or 3411.
- h. One of Chemistry 2100, ~~Chemistry 3500~~, Environmental Sciences 3210, ~~Environmental Sciences 3211~~.
- i. Statistics 2550 or equivalent”

Page 483, 2015-2016 Calendar, under the heading 9.1.3.1 Major in Nutrition, amend the calendar entry as follows:

“...

2. Required courses to complete the major:

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

...”

Department of Biochemistry (cont'd)

Page 484, 2015-2016 Calendar, under the heading 9.1.3.2 Honours Degree in Nutrition, amend the calendar entry as follows:

“ ...

3. Required courses:

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

b. Twelve additional credit hours chosen from Biochemistry 3052, 3105, 3108, 3202, 4101, 4103, 4104, 4105, 4200, 4201, 4210, 4211, ~~4220~~, 4230-4249, Biology 3050, Chemistry 4701.

...”

Page 503, 2015-2016 Calendar, under the heading 9.11.5 Requirements for a Major in Behavioural Neuroscience (B.Sc. Only), amend the calendar entry as follows:

“ ...

The program for a Major in Behavioural Neuroscience shall include:

...

3. Eighteen credit hours from the following courses chosen from at least two different sciences:

a. Biochemistry: Any 2000-, 3000-, or 4000-level course except the former 2000, 2005, the former 2010, the former 2011, 3202, 3402, or 4502

...”

Page 409, 2015-2016 Calendar, under the heading 11.2 Courses Offered By the Faculty of Medicine for Non-Medical Students, amend the calendar entry as follows:

“**4300 Introduction to General and Autonomic Pharmacology** deals with the general principles of pharmacology (dose-response relationship, drug-receptor interaction, absorption, distribution, metabolism, excretion of drugs), and drugs that affect neuromuscular and autonomic neurotransmission, the cardiovascular, gastrointestinal, and central nervous systems, and autacoids/prostanoids.

CO: Biochemistry 3106 or Pharmacy 3111

CR: the former Biochemistry 4220

LH: to be specified

PR: Medicine 310A/B or Biochemistry 311A/B, or Pharmacy 2002/2003 or the former Pharmacy 3201/3202.”

Department of Biochemistry (cont'd)

Page 512, 2015-2016 Calendar, under the heading 10.1 Biochemistry, amend the calendar entry as follows:

~~“2000 Principles of Food Science—inactive course.~~

**3402 Food Chemistry** examines the following topics: water structure and the role of water in chemical reactions and mechanical properties of foods; chemistry and physical properties of carbohydrates, proteins and lipids; food dispersions; pigments and natural colorants; food flavour; enzyme properties and applications; vitamins and minerals; chemistry of enzymic and non-enzymic browning; characteristics of: muscle tissue, milk, eggs, bread and edible plant tissue; food additives; and, chemical changes in foods during processing.

LH: one period per week

PR: BIOC ~~2000~~ or 2005; BIOC 2101; Chemistry 2440 or Chemistry 2401

~~**4220 Introduction to General and Autonomic Pharmacology** (same as Medicine 4300) deals with the general principles of pharmacology (dose-response relationship, drug-receptor interaction, absorption, distribution, metabolism, excretion of drugs), and drugs that affect neuromuscular and autonomic neurotransmission, the cardiovascular, gastrointestinal, and central nervous systems, and autacoids/prostanoids.~~

~~CO: BIOC 3106 or Pharmacy 3111~~

~~CR: Medicine 4300~~

~~LH: 3~~

~~PR: BIOC 311A/B or Medicine 310A/B or Pharmacy 2002/2003 (or the former Pharmacy 3201/3202)”~~

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Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

**“Psychology 4770 Research Experience in Animal Behaviour** (same as Biology 4770) allows students to gain research experience in selected areas of animal behaviour. This course may be offered in a usual 12-week semester or as a two-week field course.

CR: Biology 4770

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

PR: PSYC 2520, 2930 or the former 2570, 2911, and PSYC 3750 or BIOL 3750, and admission to a major in Psychology or Behavioural Neuroscience”

Department of Psychology (cont'd)

Page 513, 2015-2016 Calendar, under the heading 10.2 Biology, amend the calendar entry as follows:

**“4770 Research Experience in Animal Behaviour** (same as Psychology 4770) allows students to gain research experience in selected areas of animal behaviour. This course may be offered in a usual 12-week semester or as a two-week field course.

CR: Psychology 4770

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

PR: BIOL 3750 or Psychology 3750”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

**“3050 Developmental Psychology** is an examination of the methods of study and an evaluation of current findings and theoretical issues of importance to an understanding of development. Topics will be drawn from perception, learning, cognition, social learning, memory, and language development.

CR: PSYC 2010, PSYC 2025

PR: PSYC 2520, ~~the former 2570, and~~ 2911, and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3100 Social Psychology** is an examination of the concepts and principles involved in social behaviour. Topics covered will include attitudes, social cognition, interpersonal relations, and group processes.

CR: PSYC 2100, PSYC 2125

PR: PSYC 2520, ~~the former 2570, and~~ 2911, and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3250 Neurobiology of Learning and Memory** examines how organisms adjust their behaviour to regularities in the environment as a result of experience. Experience changes behavior by modifying the nervous system. We will take a multidisciplinary approach, combining information from psychology and neuroscience- to study learning and memory. Students will gain an understanding of sensitization, habituation, and classical and operant conditioning using animal models, with a particular emphasis on the synaptic and molecular changes that occur with learning and memory.

PR: PSYC 2520, 2911, and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

Department of Psychology (cont'd)

**3450 Human Cognition** is an introduction to the experimental study of the mental representations and processes involved in human cognition. Topics such as attention, perception and pattern recognition, concepts and the organization of knowledge, language processes, mental imagery, reasoning, problem solving, decision making, and skilled performance will be covered with an emphasis on experimental analysis and techniques.

CR: PSYC 2440, PSYC 2425

PR: PSYC 2520, ~~the former 2570, and~~ 2911, and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3510 Directed Study** provides an opportunity to work with an individual faculty member on a research project. The student will submit a formal written report of the research conducted. Permission of the instructor is required.

PR: PSYC ~~2940,~~ 2911 and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3511 Directed Study** provides an opportunity to work with an individual faculty member on a research project. The student will submit a formal written report of the research conducted. Permission of the instructor is required.

PR: PSYC ~~2940,~~ 2911 and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3650 Abnormal Psychology** is an examination of the nature, explanation, and treatment of psychological disorders with an emphasis on research methods and current findings.

CR: PSYC 3640, PSYC 3626

PR: PSYC 2520, ~~the former 2570, and~~ 2911, and 2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3750 Animal Behaviour I** (same as Biology 3750) is an introduction to the mechanisms, development, function, and evolution of behaviour in animals. Topics include the history of ethology, ~~and~~ comparative psychology, and behavioural ecology; methods of animal behaviour study, behaviour of animals in relation to physiology, learning, communication, mating systems, and other areas in Biology and Psychology.

CR: Biology 3750

PR: Biology 1001, 1002 and PSYC 2520, ~~the former 2570, and~~ 2911, and

Department of Psychology (cont'd)

2930 or the former 2570, and admission to a Major in Psychology or Behavioural Neuroscience

**3800 Cellular Neuroscience** addresses the structure and function of neurons and neural circuits and examines principles of electrochemical neural communication at the macroscopic, microscopic, and molecular level. The relevance of this knowledge to understanding brain mechanisms of normal and diseased brain functions will be touched upon. The molecular basis of the formation of some types of memories will be explored.

PR: PSYC 2520, ~~the former 2570~~, and 2911, and 2930 or the former 2570, Biology 1001 and 1002, and admission to a Major in Psychology or Behavioural Neuroscience

**3820 Research Techniques in Behavioural Neuroscience** allows students to increase their understanding of how knowledge is generated in the study of neuroscience and behavior. Students will visit various on-campus laboratories ~~on-campus~~ that are engaged in research relevant to these fields. In addition to observations and hands-on tutorials, readings, discussions, and writing assignments will strengthen students' understanding of the techniques used to answer specific research questions in neuroscience and behaviour.

PR: PSYC 2520, 2911, and 2930 or the former 2570, Biology 1001 and 1002, and admission to a Major in Psychology or Behavioural Neuroscience

**3830 Behavioural Endocrinology** explores the behavioural effects of hormones and the question of how hormones act on the brain to influence behaviour. Topics include: basic concepts in neuroendocrinology, reproductive behaviour (sexual and parental), sexual differentiation of the brain and behaviour, aggressive behaviour, and the neuroendocrinology of stress, including the effects of stress on the brain and behaviour.

PR: PSYC 2520, 2911, and 2930 or the former 2570, Biology 1001 and 1002, and admission to a Major in Psychology or Behavioural Neuroscience

**4661 Family Psychology** is a study of the reciprocal relationship between family processes and abnormal behaviour. The course will focus on the role of family dynamics in the etiology of abnormal behaviour, the impact of psychological disorders on family functioning and the application of family therapy to create therapeutic change.

PR: PSYC 3650, or all of 2520, 2930 or the former 2570, 2911, and 3640, and admission to a Major in Psychology or Behavioural Neuroscience”

Department of Psychology (cont'd)

Page 533, 2015-2016 Calendar, under the heading 10.11.1 Non-Restricted Courses, amend the calendar entry as follows:

**“2030 Adult Development** (same as the former PSYC 2012) examines physical and psychological changes from early adulthood until the end of the lifespan. Topics include career choices, love partnerships, parenting and grandparenting, cognitive changes, interpersonal changes, and healthy aging.

CR: the former PSYC 2012, ~~the former PSYC 3052~~

PR: PSYC 1000 and 1001

UL: cannot be used towards the Psychology major”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

**“2910 Research Methods in Psychology I** is an introduction to the design and application of psychological research with particular concentration on understanding and applying scientific method, creating and testing hypotheses, constructing reliable and valid experiments, managing and analysing data sets, using statistical software, and scientific writing. Specific topics include descriptive statistics including measures of central tendency, variability and relative standing, inferential statistics such as *t* tests for one and two sample designs, correlation and regression, and non-parametric statistics.

CR: Statistics 2500, 2550, the former 2510, ~~the former PSYC 2900~~, PSYC 2925

LH: one laboratory period weekly

PR: PSYC 1000 and 1001; Mathematics 1000 or two of 1090, 1050 and 1051 (or equivalent) and admission to a Major in Psychology or Behavioural Neuroscience

**2911 Research Methods in Psychology II** covers research methods in psychology with a focus on more complex research designs and statistical approaches, within the realm of experimentation and beyond the laboratory. Specific topics include controlling participant variables, using between and repeated measures designs within the context of Analysis of Variance (ANOVA). Particular ANOVA approaches include one-way and factorial designs, within subject design, and two-way mixed designs.

CR: Statistics 2501, 2560, ~~the former PSYC 2901~~, PSYC 2950

LH: one laboratory period weekly

PR: PSYC 2910 and admission to a Major in Psychology or Behavioural Neuroscience



Department of Psychology (cont'd)

**3350 Perception** (~~formerly PSYC 2360~~) is a broad survey of theory and research in sensation and perception.

~~CR: the former PSYC 2360~~

PR: PSYC 2520, the former 2570, and 2911, and 2930 or the former 2570, 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: PSYC 3250 ~~or the former PSYC 2250~~ 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: PSYC 3250 ~~or the former PSYC 2250~~ 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: PSYC 3350 ~~or the former PSYC 2360~~ 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: PSYC 3620 ~~or the former PSYC 2620~~ and admission to a Major in Psychology or Behavioural Neuroscience”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

**“4070 Research Experience in Development Psychology** allows students to gain research experience in selected areas of developmental psychology.

PR: PSYC ~~2520, the former 2570, 2911, and~~ 3050 and admission to a Major in Psychology or Behavioural Neuroscience

**4170 Research Experience in Social Psychology** will provide research experience in a selection of areas typically studied by social psychologists such as attitudes, prejudice, groups and social cognition. Students will acquire experience with research methods that are used to advance the body of knowledge in social psychology.

PR: PSYC ~~2520, the former 2570, 2911, and~~ 3100 and admission to a Major in Psychology or Behavioural Neuroscience

Department of Psychology (cont'd)

**4270 Research Experience in Learning** allows students to gain research experience in selected areas of learning.

PR: PSYC ~~2520, the former 2570, 2911, and~~ 3250 and admission to a Major in Psychology or Behavioural Neuroscience

**4370 Research Experience in Perception** allows students to gain research experience in selected areas of perception.

PR: PSYC ~~2520 the former 2570, 2911 and~~ 3350 and admission to a Major in Psychology or Behavioural Neuroscience

**4470 Research Experience in Cognition** allows students to gain research experience in selected areas of cognition.

PR: PSYC ~~2520, the former 2570, 2911, and~~ 3450 and admission to a Major in Psychology or Behavioural Neuroscience

**4670 Research Experience in Abnormal Psychology** allows students to gain research experience in selected areas of clinical psychology.

PR: PSYC ~~2520, the former 2570, 2911 and~~ 3650 and admission to a Major in Psychology or Behavioural Neuroscience”

Page 533, 2015-2016 Calendar, under the heading 10.11.1 Non-Restricted Courses, amend the calendar entry as follows:

“**2810 Brain and Behaviour** is a broad survey of physiological psychology at an elementary level. Topics will include the following: structure of the nervous system, nerve conduction, sensory and motor systems, behavioural biology of reproduction, aggression, feeding and drinking, sleep and arousal, pleasure and pain, learning and memory.

CR: PSYC 2520, PSYC 2825, the former PSYC 2850, the former PSYC 3801

PR: PSYC 1000 and 1001

UL: cannot be used towards the Psychology major”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

“**2520 Introduction to Behavioural Neuroscience** is based on the idea that psychological and neuroscience research efforts are synergistic. Neuroscience research can reveal mechanisms that help explain the mind and behaviour, while concepts developed by psychological research often define the topics that neuroscience investigates. The course will survey a broad range of topics that include the fundamentals of neuroanatomy, neurophysiology, and neurodevelopment, as well as higher level

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functions such as motivation, emotion, sleep, memory, language, and mental illness.

CR: PSYC 2810, 2825, the former PSYC 3801

PR: PSYC 1000 and 1001 and admission to a Major in Psychology or Behavioural Neuroscience; minors may be permitted to take this course if space permits”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

**“2930 Research and Writing in Psychology** is an introduction to the fundamentals of preparing psychology reports, emphasizing organization, correct use of terminology, adherence to appropriate discipline style, concise and accurate description, preparation of abstracts, and integration of numerical data. Topics for reports will be selected each semester by the instructor.

PR: PSYC 1000 and 1001 and admission to a Major in Psychology or Behavioural Neuroscience

UL: may not be used towards the Faculty of Arts CRW requirement or the former R/W requirement”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

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

PR: One of PSYC 3800, the former 3801, 3820, or 3250 PSYC 2810; or 3800 or 3801 and admission to a Major in Psychology or Behavioural Neuroscience

**4870 Research Experience in Behavioural Neuroscience** allows students to gain research experience in selected areas of neuroscience.

PR: PSYC 3820 or the former 3801, PSYC 2520, the former 2570, 2911, and either 3800 or 3801 and admission to a Major in Psychology or Behavioural Neuroscience”

Page 534, 2015-2016 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry as follows:

~~“**3801 Behavioural Neuroscience** is a survey of knowledge about brain mechanisms of behaviour. Topics will include the following: basic neuroanatomy and neurophysiology, somatosensory systems and pain, reward, mental illness, sleep and arousal, developmental neurobiology,~~

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~~sexual development and behaviour, regulation of eating and body weight, learning and memory, and cortical function, including cortical mediation of language.~~

~~CR: PSYC 2810, PSYC 2825, the former PSYC 2850~~

~~PR: PSYC 2520, the former 2570 and 2911 and admission to a Major in Psychology or Behavioural Neuroscience”~~

Page 503, 2015-2016 Calendar, under the heading 9.11.3 Requirements for a Major in Psychology, amend the calendar entry as follows:

**“9.11.3 Requirements for a Major in Psychology**

Students completing this program cannot receive credit for Psychology 2920. Students who intend to pursue graduate studies should take courses leading to the Honours degree.

1. Students may Major in Psychology as part of either a B.A. or a B.Sc. program. All Majors are required to complete a minimum of 42 credit hours of Psychology as listed below:

- a. Psychology 1000, 1001, 2520, 2910, 2911, 2930.
  - b. Twelve credit hours in Psychology chosen from the following: 3050, 3100, 3250, 3350, 3450, 3620, 3650, 3750, or one of 3800 or 3830.
  - c. Twelve credit hours of 4000-level courses in Psychology, of which at least one must be a research experience course and one must be a selected topics course.
- ...”

Page 503, 2015-2016 Calendar, under the heading 9.11.5 Requirements for a Major in Behavioural Neuroscience (B.Sc.Only), amend the calendar entry as follows:

**“9.11.5 Requirements for a Major in Behavioural Neuroscience (B.Sc. Only)**

...

The program for a Major in Behavioural Neuroscience shall include:

...

3. Eighteen credit hours from the following courses chosen from at least two different sciences:

- a. Biochemistry: Any 2000-, 3000-, or 4000-level course except 2000, 2005, the former 2010, the former 2011, 3202, 3402, or 4502

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- b. Biology: 2060, 2122, 2210, 2250, 2900, 3050, 3160, 3202, 3295, 3401, 3500, 3530, 3540, 3750, 4200, 4241, 4245, 4250, 4402, the former 4450, 4601, 4605, 4701, the former 4900 (see note below)
- c. Chemistry: 2100, 2210, 2301 (or 2300) or any 3000 or 4000 level course
- d. Computer Science: Any 2000, 3000, or 4000 level course except 2650 and 2801
- e. Mathematics: 2000, 2050, 2051, 3000, 3001 or any 3000 or 4000 level pure or applied mathematics course
- f. Physics: Any 2000, 3000, or 4000 level course except 2151, 3150, 3151
- ...

Page 506, 2015-2016 Calendar, under the heading 9.11.9 Suggested Course Sequences, amend the calendar entry as follows:

**“9.11.9 Suggested Course Sequences**

The tables below show ... **Neuroscience (Co-operative)**.

**Table 1 Suggested Course Sequence for B.A. in Psychology (Co-operative)**

<b>Term</b>	<b>Suggested Courses</b>
<b>Fall Semester 1</b>	Elective or Arts requirement Elective or Arts requirement English 1080 Mathematics 1000 or one of Mathematics 1090, 1050, 1051 Psychology 1000
<b>Winter Semester 2</b>	Elective or Arts requirement Elective or Arts requirement English 1101, 1102, 1103, or 1110 One <del>other</del> of Mathematics <u>1000</u> , 1090, 1050 or 1051* Psychology 1001
<b>Fall Semester 3</b>	Elective or Arts requirement Elective or Arts requirement Elective or Arts requirement Psychology 2520 or 2930 Psychology 2910
<b>Winter Semester 4</b>	Elective or Arts requirement Elective or Arts requirement

	Elective or Arts requirement Psychology 2911 Psychology 2930 or 2520
<b>Spring Work Term 1</b>	Psychology 199W
<b>Fall Semester 5</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u>  3000-Level Core <del>3000-Level Core</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del>
<b>Winter Semester 6</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u>  3000-Level Core <del>3000-Level Core</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del>
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Psychology 4000-Level</u> <u>Psychology Selected Topics course</u>  4000-Level Psychology <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Selected Topics</del>
<b>Winter Work Term 3</b>	Psychology 399W
<b>Fall Semester 8</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u>

	<u>Elective or Arts requirement</u> <u>Psychology 4000-Level</u> <u>Psychology Research Experience course</u>  <u>4000-Level Psychology</u> <u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Research Experience</u>
* <u>Psychology Majors are required to complete Mathematics 1000 or two of 1090, 1050, 1051 (or equivalent). An Elective or Arts requirement can be taken if Mathematics 1000 was taken in Semester 1.</u>	

**Table 2 Suggested Course Sequence for B.Sc. in Psychology (Co-operative)**

<b>Term</b>	<b>Suggested Courses</b>
<b>Fall Semester 1</b>	Biology 1001 <del>Chemistry 1010 (1050)* or Physics 1020 (1050)**</del> <u>Chemistry 1010 (1050) or Physics 1020 (1050)*</u> English 1080 <del>Mathematics 1090***</del> <u>Mathematics 1090 or 1000</u> Psychology 1000
<b>Winter Semester 2</b>	Biology 1002 Chemistry 1011 (1051) or Physics 1021 (1051) English 1101, 1102, 1103, or 1110 <del>Mathematics 1000***</del> <u>Mathematics 1000 or Elective or Science requirement</u> Psychology 1001
<b>Fall Semester 3</b>	Biology, Chemistry, or Physics Lab Course Elective or Science requirement Elective or Science requirement Psychology 2520 or 2930 Psychology 2910
<b>Winter Semester 4</b>	Biology, Chemistry, or Physics Lab Course

	Elective or Science requirement Elective or Science requirement Psychology 2911 Psychology 2930 or 2520
<b>Spring Work Term 1</b>	Psychology 199W
<b>Fall Semester 5</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> 3000 Level Core 3000 Level Core Elective or Science requirement Elective or Science requirement Elective or Science requirement
<b>Winter Semester 6</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> 3000 Level Core 3000 Level Core Elective or Science requirement Elective or Science requirement Elective or Science requirement
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 4000-Level</u> <u>Psychology Selected Topics</u> 4000 Level Psychology Elective or Science requirement Elective or Science requirement Elective or Science requirement Selected Topics
<b>Winter Work Term 3</b>	Psychology 399W
<b>Fall</b>	<u>Elective or Science requirement</u>



<b>Semester 8</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 4000-Level</u> <u>Psychology Research Experience</u>  4000-Level Psychology <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Research Experience</u>
<p><del>*Students registered in Chemistry 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><del>**Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><u>*Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</u></p> <p><del>***or Mathematics 1000 (Semester 1) and an elective (Semester 2).</del></p>	

**Table 3 Suggested Course Sequence for  
B.A. (Honours) in Psychology (Co-operative)**

<b>Term</b>	<b>Suggested Courses</b>
<b>Fall Semester 1</b>	Elective or Arts requirement Elective or Arts requirement English 1080 Mathematics 1000 or one of Mathematics 1090, 1050, 1051 Psychology 1000
<b>Winter Semester 2</b>	Elective or Arts requirement Elective or Arts requirement English 1101, 1102, 1103, or 1110 One <del>other</del> of Mathematics <u>1000</u> , 1090, 1050 or 1051* Psychology 1001
<b>Fall Semester 3</b>	Elective or Arts requirement Elective or Arts requirement Elective or Arts requirement Psychology 2520 or 2930 Psychology 2910
<b>Winter Semester 4</b>	Elective or Arts requirement Elective or Arts requirement Elective or Arts requirement Psychology 2911 Psychology 2930 or 2520

<b>Spring Work Term 1</b>	Psychology 199W
<b>Fall Semester 5</b>	<u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3900</u>  <del>3000 Level Core</del> <del>3000 Level Core</del> <del>3000 Level Core</del> <del>Elective or Arts requirement</del> <del>Psychology 3900</del>
<b>Winter Semester 6</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology Research Experience course</u> <u>Psychology 4910</u>  <del>3000 Level Core</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Psychology 4910</del> <del>Research Experience</del>
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	<u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 4000-Level</u> <u>Psychology Selected Topics course</u> <u>Psychology 499A</u>  <del>3000 Level Core</del> <del>4000 Level Psychology</del> <del>Elective or Arts requirement</del> <del>Psychology 499A</del> <del>Selected Topics</del>
<b>Winter Work Term 3</b>	Psychology 399W
<b>Spring (Optional)</b>	Psychology 499A
<b>Fall Semester 8</b>	<u>Elective or Arts requirement</u> <u>Elective or Arts requirement</u> <u>Psychology 3000-Level Core</u>

	<u>Psychology 4000-Level</u> <u>Psychology 499B</u>  <del>3000-Level Core</del> <del>4000-Level Psychology</del> <del>Elective or Arts requirement</del> <del>Elective or Arts requirement</del> <del>Psychology 499B</del>
* <u>Psychology Majors are required to complete Mathematics 1000 or two of 1090, 1050, 1051 (or equivalent). An Elective or Arts requirement can be taken if Mathematics 1000 was taken in Semester 1.</u>	

**Table 4 Suggested Course Sequence for  
B.Sc. (Honours) in Psychology (Co-operative)**

<b>Term</b>	<b>Suggested Courses</b>
<b>Fall Semester 1</b>	Biology 1001 <del>Chemistry 1010 (1050)* or Physics 1020 (1050)**</del> Chemistry 1010 (1050) or Physics 1020 (1050)* English 1080 <del>Mathematics 1090***</del> <u>Mathematics 1090 or Math 1000</u> Psychology 1000
<b>Winter Semester 2</b>	Biology 1002 Chemistry 1011 (1051) or Physics 1021 (1051) English 1101, 1102, 1103, or 1110 <del>Mathematics 1000***</del> <u>Mathematics 1000 or Elective or Science requirement</u> Psychology 1001
<b>Fall Semester 3</b>	Biology, Chemistry, or Physics Lab Course Elective or Science requirement Elective or Science requirement Psychology 2520 or 2930 Psychology 2910
<b>Winter Semester 4</b>	Biology, Chemistry, or Physics Lab Course Elective or Science requirement Elective or Science requirement Psychology 2911 Psychology 2930 or 2520
<b>Spring Work Term 1</b>	Psychology 199W

<b>Fall Semester 5</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3900</u> <del>3000-Level Core</del> <del>3000-Level Core</del> <del>Elective or Science requirement</del> <del>Elective or Science requirement</del> <del>Psychology 3900</del>
<b>Winter Semester 6</b>	<u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 3000-Level Core</u> <u>Psychology Research Experience</u> <u>Psychology 4910</u> <del>3000-Level Core</del> <del>3000-Level Core</del> <del>Elective or Science requirement</del> <del>Psychology 4910</del> <del>Research Experience</del>
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	<u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 4000-Level</u> <u>Psychology Selected Topics</u> <u>Psychology 499A</u> <del>3000-Level Core</del> <del>4000-Level Psychology</del> <del>Elective or Science requirement</del> <del>Psychology 499A</del> <del>Selected Topics</del>
<b>Winter Work Term 3</b>	Psychology 399W
<b>Spring (Optional)</b>	Psychology 499A
<b>Fall Semester 8</b>	<u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 3000-Level Core</u> <u>Psychology 4000-Level</u> <u>Psychology 499B</u>

	3000 Level Core 4000 Level Psychology Elective or Science requirement Elective or Science requirement Psychology 499B
<p>*Students registered in Chemistry 1050 must also be registered in Mathematics 1000 (not 1090).</p> <p>**Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</p> <p>*Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</p> <p>***or Mathematics 1000 (Semester 1) and an elective (Semester 2).</p>	

**Table 5 Suggested Course Sequence for B.Sc. in  
Behavioural Neuroscience (Co-operative)**

Term	Suggested Courses
<b>Fall Semester 1</b>	<u>Biology 1001 or Physics 1020 (1050)*</u> <u>Chemistry 1010 (1050)</u> <u>English 1080</u> <u>Mathematics 1090 or 1000</u> <u>Psychology 1000</u>  Biology 1001 Chemistry 1010 (1050)* English 1080 Mathematics 1090** Psychology 1000
<b>Winter Semester 2</b>	<u>Biology 1002 or Physics 1021 (1051)</u> <u>Chemistry 1011 (1051)</u> <u>English 1101, 1102, 1103, or 1110</u> <u>Mathematics 1000 or 1001</u> <u>Psychology 1001</u>  Chemistry 1011 (1051) English 1101, 1102, 1103, or 1110 Mathematics 1000** Physics 1020 (1050)**** Psychology 1001
<b>Fall Semester 3</b>	<u>BHNR Requirement 1**</u> <u>Physics 1020 (1050)* or Biology 1001</u> <u>Chemistry 2440***</u> <u>Psychology 2520 or 2930</u>

	<u>Psychology 2910</u>  <del>BHNR Requirement 1*****</del> <del>Biology 1002 or Physics 1021 (1051)*****</del> <del>Chemistry 2440***</del> <del>Physics 1020 (1050)****</del> <del>Psychology 2520 or 2930</del> <del>Psychology 2910</del>
<b>Winter Semester 4</b>	<u>BHNR Requirement 2</u> <u>Physics 1021 (1051) or Biology 1002</u> <u>Mathematics 1001 or Elective or Science requirement</u> <u>Psychology 2911</u> <u>Psychology 2930 or 2520</u>  <del>BHNR Requirement 2</del> <del>Biology 1002 or Physics 1021 (1051)*****</del> <del>Mathematics 1001 or Science requirement</del> <del>Psychology 2911</del> <del>Psychology 2930 or 2520</del>
<b>Spring Work Term 1</b>	Psychology 199W
<b>Fall Semester 5</b>	BHNR Requirement 3 Elective or Science requirement Elective or Science requirement <del>Psychology 3750-3250</del> Psychology 3800
<b>Winter Semester 6</b>	<u>BHNR Requirement 4</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology 3000-level core</u> <u>Psychology 3820</u>  <del>3000-Level Core</del> <del>BHNR Requirement 4</del> <del>Elective or Science requirement</del> <del>Elective or Science requirement</del> <del>Psychology 3820</del>
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	BHNR Requirement 5 Elective or Science requirement Elective or Science requirement Elective or Science requirement

	a <u>Psychology</u> Research Experience course
<b>Winter Work Term 3</b>	Psychology 399W
<b>Fall Semester 8</b>	BHNR Requirement 6 Elective or Science requirement Elective or Science requirement Elective or Science requirement a <u>Psychology</u> Selected Topics course
<p><u>*Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</u></p> <p><u>**BHNR Requirement 1-6 specified in clause 3, <b>Requirements for a Major in Behavioural Neuroscience (B.Sc. Only)</b></u></p> <p><u>***Students may choose to instead take Chemistry 2400 and 2401. These students should consult with the Psychology Undergraduate Advisor.</u></p> <p><del>*Students registered in Chemistry 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><del>**or Mathematics 1000 (Semester 1) and Mathematics 1001 (Semester 2).</del></p> <p><del>***or Chemistry 2400/2401</del></p> <p><del>****Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><del>*****BHNR Requirement 1-6 refers to the requirement specified in clause 3, Requirements for a Major in Behavioural Neuroscience (B.Sc. Only).</del></p>	

**Table 6 Suggested Course Sequence for B.Sc. (Honours) in Behavioural Neuroscience (Co-operative)**

<b>Term</b>	<b>Suggested Courses</b>
<b>Fall Semester 1</b>	<u>Biology 1001 or Physics 1020 (1050)*</u> <u>Chemistry 1010 (1050)</u> <u>English 1080</u> <u>Mathematics 1090 or 1000</u> <u>Psychology 1000</u>  <u>Biology 1001</u> <u>Chemistry 1010 (1050)*</u> <u>English 1080</u> <u>Mathematics 1090**</u>

	Psychology 1000
<b>Winter Semester 2</b>	<u>Biology 1002 or Physics 1021 (1051)</u> <u>Chemistry 1011 (1051)</u> <u>English 1101, 1102, 1103, or 1110</u> <u>Mathematics 1000 or 1001</u> <u>Psychology 1001</u> <del>Chemistry 1011 (1051)</del> <del>English 1101, 1102, 1103, or 1110</del> <del>Mathematics 1000**</del> <del>Physics 1020 (1050)****</del> <del>Psychology 1001</del>
<b>Fall Semester 3</b>	<u>BHNR Requirement 1**</u> <u>Physics 1020 (1050)* or Biology 1001</u> <u>Chemistry 2440***</u> <u>Psychology 2520 or 2930</u> <u>Psychology 2910</u> <del>BHNR Requirement 1*****</del> <del>Biology 1002 or Physics 1021 (1051)*****</del> <del>Chemistry 2440***</del> <del>Psychology 2520 or 2930</del> <del>Psychology 2910</del>
<b>Winter Semester 4</b>	<u>BHNR Requirement 2</u> <u>Physics 1021 (1051) or Biology 1002</u> <u>Mathematics 1001 or Elective or Science requirement</u> <u>Psychology 2911</u> <u>Psychology 2930 or 2520</u> <del>BHNR Requirement 2</del> <del>Biology 1002 or Physics 1021 (1051)*****</del> <del>Mathematics 1001 or Science requirement</del> <del>Psychology 2911</del> <del>Psychology 2930 or 2520</del>
<b>Spring Work Term 1</b>	Psychology 199W
<b>Fall Semester 5</b>	BHNR Requirement 3 Elective or Science requirement Psychology 3250 Psychology 3800 Psychology 3900
<b>Winter Semester 6</b>	BHNR Requirement 4 Elective or Science requirement



	Elective or Science requirement Psychology 3750 <u>3000-level core</u> Psychology 3820
<b>Spring Work Term 2</b>	Psychology 299W
<b>Fall Semester 7</b>	<u>BHNR Requirement 5</u> <u>Elective or Science requirement</u> <u>Elective or Science requirement</u> <u>Psychology Research Experience course</u> <u>Psychology 499A</u>  <del>3000 level core</del> <del>BHNR Requirement 5</del> <del>Elective or Science requirement</del> <del>Psychology 499A</del> <del>a Research Experience course</del>
<b>Winter Work Term 3</b>	Psychology 399W
<b>Spring (Optional)</b>	Psychology 499A
<b>Fall Semester 8</b>	BHNR Requirement 6 Elective or Science requirement Elective or Science requirement <del>Psychology 499B</del> a <u>Psychology Selected Topics course</u> <u>Psychology 499B</u>
<p><u>*Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</u></p> <p><u>**BHNR Requirement 1-6 specified in clause 3, <b>Requirements for a Major in Behavioural Neuroscience (B.Sc. Only)</b></u></p> <p><u>*** Students may choose to instead take Chemistry 2400 and 2401. These students should consult with the Psychology Undergraduate Advisor.</u></p> <p><del>*Students registered in Chemistry 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><del>**or Mathematics 1000 (Semester 1) and Mathematics 1001 (Semester 2).</del></p> <p><del>***or Chemistry 2400/2401</del></p> <p><del>****Students registered in Physics 1050 must also be registered in Mathematics 1000 (not 1090).</del></p> <p><del>*****BHNR Requirement 1-6 refers to the requirement specified in</del></p>	

**clause 3, Requirements for a Major in Behavioural Neuroscience  
(B.Sc. Only).**

Page 472, 2015-2016 Calendar, under the heading 5.1.6 Biochemistry and Psychology (Behavioural Neuroscience) Joint Honours, amend the calendar entry to read as follows:

**“5.1.6 Biochemistry and Psychology (Behavioural Neuroscience)  
Joint Honours**

***Note:** Students completing this program cannot receive credit for Psychology 2920.*

The following courses (or equivalent) are required to complete the 120 credit hours in courses required for the degree:

1. Chemistry 1050 and 1051 (or 1200 and 1001), Biology 1001 and 1002, Mathematics 1000 and 1001, Physics 1050, (or 1020), 1051 (or 1021), English 1080 and 1110.
2. Biochemistry 2100, 2101, 3105, 3106, 3107, 3108, Medicine 310A/B, either 4210 or 4211, 9 credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, 4220, 4230-4249.
3. Psychology 1000, 1001, 2520, 2910, 2911, 2930, 3250, 3800, 3820, 3900, ~~two~~ one further courses in Psychology chosen from the following: 3050, 3100, ~~3250~~, 3350, 3450, 3620, 3650, 3750; any research experience course and one of Psychology 4250, 4251, 4850 or 4851; or, any selected topics course and one of Psychology 4270 or 4870.
4. Either Biochemistry 499A/B or Psychology 499A/B.
5. Chemistry 2301, 2400, 2401.

***Notes:***

1. *In accordance with Clause 6.a. of the Regulations for the Honours Degree of Bachelor of Science, Honours candidates must obtain a grade of "B" or better, or an average of 75% or higher in all the required courses listed in Clauses 2., 3. and 4. above, except those at the 1000 level.*
2. *Students in first year intending to follow this program should note the regulations for admission to Major programs in Psychology and that the deadline for submission of a completed application form to the Department of Psychology is June 1 for the Fall semester.”*

Page 472, 2015-2016 Calendar, under the heading 5.1.7 Biochemistry (Nutrition) and Psychology (Behavioural Neuroscience) Joint Honours, amend the calendar entry to read as follows:

Department of Psychology (cont'd)

**“5.1.7 Biochemistry (Nutrition) and Psychology (Behavioural Neuroscience) Joint Honours**

*Note: Students completing this program cannot receive credit for Psychology 2920.*

The following courses (or equivalent) are required:

1. Chemistry 1010 and 1011 (or 1050, 1051) (or 1200 and 1001), Biology 1001 and 1002, Mathematics 1000, Physics 1020 or 1050, and 1021 (or 1051), English 1080 and 1110.
2. Biochemistry 2100, 2101, 2600, 3106, 3203, 4002, 4300, 4301, 4502, Medicine 310A/B; one course chosen from: Biochemistry 3105, 3107, 3108, 3202, 3402, 3600, 4101, 4103, 4104, 4105, 4200, 4201, 4210, 4211, the former 4220, 4230-4249, Biology 3050.
3. Psychology 1000, 1001, 2520, 2910, 2911, 2930, 3250, 3800, 3820, 3900, ~~two~~ one further courses in Psychology chosen from the following: 3050, 3100, ~~3250~~, 3350, 3450, 3620, 3650, 3750; any research experience course and one of Psychology 4250, 4251, 4850 or 4851; or, any selected topics course and one of Psychology 4270 or 4870.
4. Either Biochemistry 499A/B or Psychology 499A/B.
5. Chemistry 2400, 2401 or Chemistry 2440.
6. Other courses to complete at least the prescribed minimum of 120 credit hours in courses for the Joint Honours Degree.

**Notes:**

1. *In accordance with Clause 6.a. of the Regulations for the Honours Degree of Bachelor of Science, Honours candidates must obtain a grade of "B" or better, or an average of 75% or higher in all the required courses listed in Clauses 2., 3., and 4. above, except those at the 1000 level.*
2. *Students in first year intending to follow this program should note the regulations as outlined for admission to Major programs in Psychology and that the deadline for submission of a completed application form to the Department of Psychology is June 1 for the Fall semester.”*

Page 473, 2015-2016 Calendar, under the heading 5.1.10 Biology and Psychology (Behavioural Neuroscience) Joint Honours), amend the calendar entry as follows:

**“5.1.10 Biology and Psychology (Behavioural Neuroscience) Joint Honours**

*Note: Students completing this program cannot receive credit for Psychology 2920.*

Department of Psychology (cont'd)

The following forty courses (or equivalent) are required:

1. Biology 1001, 1002, 2060, 2250, 2600, 2900; one of 3401, 3402, 4245, 4404; five Biology electives at the 2000, 3000 or 4000 level not including Biology 499A or 499B.
2. Psychology 1000, 1001, 2520, 2910, 2911, 2930, ~~3250~~, 3800, 3820, 3900; ~~two~~ one further courses in Psychology chosen from the following: 3050, 3100, ~~3250~~, 3350, 3450, 3620, 3650, 3750; any research experience course and one of Psychology 4250, 4251, 4850 or 4851; or, any selected topics course and one of Psychology 4270 or 4870.
3. Biology or Psychology 499A/B.
4. Biochemistry 2101, 3106.
5. English 1080 and 1110; Mathematics 1000 and 1001; Physics 1020 (or 1050) and 1021 (or 1051); Chemistry 1010 and 1011 (or 1050 and 1051), and 2440 (or 2400 and 2401);
6. Other courses, if necessary, to complete at least 120 credit hours of courses.

***Note:** In accordance with Clause 6.a. of the Regulations for the Honours Degree of Bachelor of Science, Honours candidates must obtain a grade of "B" or better, OR average of 75% or higher in all the required courses listed in Clauses 1, 2, 3, and 4 above, except those at the 1000 level."*

49.17 Department of Archaeology

Page 154, 2015-2016 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

**"ARCH 2494 Game of Genders: Sex and Society in the Medieval North** introduces students to considerations and expressions of gender in northern medieval society, with particular reference to Viking and Anglo-Saxon worlds. The course explores the concept of gender and considers varied gendered identities found in material and textual evidence. Students will reflect on how significant cultural changes, such as the conversion to Christianity and the expansion to the North Atlantic and to L'Anse aux Meadows, laid the foundation for what is considered gender appropriate in Western society.

PR: it is recommended, but not obligatory, that students should have successfully completed one of the following courses: ARCH 1030 or GNDR 1000.

**Abbreviated Course Title:** Medieval Genders"

49.18 Department of History

Page 177, 2015-2016 Calendar, under the heading 12.16 History, amend the calendar entry as follows:

**“HIST 4252 Canada and the North** examines the ideas and historical processes that have contributed to the colonization of land and people in the Canadian North. With a primary focus on the territorial north, the course will also analyze the many ways that Dene and Inuit have resisted and adapted to colonial processes. Using film, radio documentaries, and primary documents, this course will consider themes such as pre-contact life, northern militarization, Inuit relocations, development conflicts, and environmental injustices.

**Abbreviated Course Title:** Canada and the North

4240-4260 (Excluding 4252, 4253, 4255) Special Topics in Canadian History are specialized studies in Canadian history. Aspects to be studied will be posted on the Department of History website.”

49.19 Faculty of Arts – General Housekeeping

Page 96, 2015-2016 Calendar, under the heading 5.1.4 The Minor Program, amend the calendar entry as follows:

**“5.1.4 The Minor Program**

...

~~4. Up to 12 credit hours in courses offered by a single department as part of an interdisciplinary program may be used to satisfy the requirements for the Minor, provided they are in accordance with the regulations governing that Minor.~~

...”

Page 97, 2015-2016, under the heading 5.1.5.3 Interdisciplinary Arts Minor Programs, amend the calendar entry as follows:

**“5.1.5.3 Interdisciplinary Arts Minor Programs**

...

4. A maximum of 6 credit hours from the interdisciplinary Arts Minor may be used to  
satisfy the requirements of the single disciplinary Major, provided they are in  
accordance with the regulations governing both programs.

...”

Faculty of Arts – General Housekeeping (cont'd)

Page 97, 2015-2016 Calendar, under the heading 5.1.5.1 General Regulations for Interdisciplinary Major and Minors Programs, amend the calendar entry as follows:

**“5.1.5.1 General Regulations for Interdisciplinary Major and Minor Programs**

1. Students shall consult about their interdisciplinary Faculty of Arts program with the designated Program Coordinator.
2. Departmental prerequisites for courses are applicable. This may increase the number of stated courses required for completion of the program. Such courses may be eligible towards other components of the Bachelor of Arts.
3. Normal credit restrictions apply. It is the student’s responsibility to recognize that additional credit may not be obtained for completing two versions of a cross-listed course (i.e., the same course delivered by two or more departments).
4. Courses selected from a minimum of three disciplines within the Faculty of Arts Programs and Regulations shall be required for an interdisciplinary Major or Minor.
5. A Program Coordinator may, in consultation with the Head of the relevant academic unit, request permission from the Committee on Undergraduate Studies for a course to be added to the program. Normally, the addition of a course whose Calendar entry clearly establishes that it is highly relevant to the program shall be approved, and the Committee shall request Senate approval to add the course to the program’s Calendar entry. Due to their temporary nature, “special topics” courses are not listed in the entry for an interdisciplinary Major or Minor program; however, a special topics course may be included in a student’s program of study with permission from the Committee on Undergraduate Studies.”

Page 101, 2015-2016 Calendar, under the heading 7.5 Diploma in Applied Ethics, amend the calendar entry as follows:

**“7.5 Diploma in Applied Ethics**

Program Coordinator: Dr. P. Trnka, Department of Philosophy.

The Diploma helps to prepare students for the ethical challenges of various professions and for work as ethical consultants and analysts in government and private institutions (e.g., hospitals, businesses, environmental agencies).

Faculty of Arts – General Housekeeping (cont'd)

**7.5.1 Admission Requirements**

~~Admission to the Diploma program is limited and competitive. Applicants with a B.A. or B.Sc. in hand and senior undergraduates will be preferred. Experience working in the health care or environmental sectors is an asset. Students interested in applying to the program should contact the Program Coordinator. Formal application is required and is available at [www.mun.ca/arts/programs/undergraduate/diplomas/](http://www.mun.ca/arts/programs/undergraduate/diplomas/) or from the Office of the Registrar. The Diploma in Applied Ethics is in the process of renewal and applications are not being taken for the academic year 2016-17. Students who are already enrolled in the Diploma should contact the Program Coordinator for advice about completing the program.~~

**7.5.2 Program of Study**

The Diploma consists of 24 credit hours, including an Instructional Field Placement. A concentration in either bioethics, mental health ethics, or environmental ethics is required: courses toward a concentration must be chosen with the approval of the Program Coordinator.

**7.5.3 Course List**

Philosophy 2230

One of Philosophy 2551 or 2552 or 2561

One advanced (3000 or 4000 level) course in ethics or philosophy of law, approved by the Coordinator

Philosophy 4900 or 4300-4310

Philosophy 5000

Two additional, elective courses, approved by the Coordinator.”

Page 186, 2015-2016 Calendar, under the heading 12.22.6 4000-Level and Higher, amend the calendar entry as follows:

“**5000 Instructional Field Placement in Applied Ethics** is a part-time, one semester period of practical work designed to provide experience in medical, psychiatric, environmental, or other similar settings. Students may be placed, e.g., in a government policy office or a hospital.

UL: applicable only towards the Diploma in Applied Ethics (program is currently under review)”

Page 104, 2015-2016 Calendar, under the heading 8 Certificate Programs Offered in the Faculty of Arts, amend the calendar entry as follows:

Faculty of Arts – General Housekeeping (cont'd)

**“8 Certificate Programs Offered in the Faculty of Arts**

A certificate program in the Faculty of Arts offers a flexible option for students seeking to develop specialized knowledge and competencies. It provides a starting point for further university studies or acts as an adjunct to an undergraduate degree. A certificate program is not designed to satisfy specific employment credentials. A certificate is sufficiently specialized to ensure its academic integrity and normally features at least one required anchor course that is taken at the beginning of the program. The Faculty of Arts offers the Certificate in Criminology and the Certificate in Public Policy.

**8.1 Admission**

1. Students seeking information about a certificate program should contact the coordinator of the certificate program, the Office of the Dean of Arts, or the Office of the Registrar.

~~1. Admission to a certificate program is limited and dependent upon available resources. For additional requirements stipulated by a certificate program, see the appropriate Calendar entry below.~~

2. A certificate program is open to all students who are granted admission to the University. All applicants for a certificate program must also be admitted to the University. All applications for admission or readmission to the University must be submitted to the Office of the Registrar. A complete application package includes an application to the University and any other required documentation (for those who have not attended Memorial University of Newfoundland in the three preceding semesters). Details are available under UNIVERSITY REGULATIONS - Admission/Readmission to the University Undergraduate.

~~3. Applicants for admission to a certificate program must apply by completing the appropriate form available from the Office of the Registrar.”~~

Page 105, 2015-2016 Calendar, under the heading 8.X Declaring the Certificate in Ancient Languages, [number to be determined by calendar editor] amend the calendar entry as follows:

**“8.X Declaring the Certificate in Ancient Languages**

~~Students wishing to declare a Certificate in Ancient Languages are encouraged to consult with the Program Coordinator to discuss the requirements of the program.~~ Students interested in a Certificate in Ancient Languages are first encouraged to consult with the Program



Faculty of Arts – General Housekeeping (cont'd)

Coordinator to discuss the requirements of the program. After consultation with the Coordinator, students wishing to enroll in the certificate can declare a Certificate in Ancient Languages by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

Page 105, 2015-2016 Calendar, under the heading 8.4.2 Declaring the Certificate in Criminology, amend the calendar entry as follows:

**“8.4.2 Declaring the Certificate in Criminology**

~~Students wishing to declare a Certificate in Criminology shall consult with the Program Coordinator to discuss the requirements of the program.~~ Students interested in a Certificate in Criminology are first encouraged to consult with the Program Coordinator to discuss the requirements of the program. After consultation with the Coordinator, students wishing to enroll in the certificate can declare a Certificate in Criminology by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

Page 106, 2015-2016 Calendar, under the heading 8.5.2 Declaring the Certificate in Public Policy, amend the calendar entry to read as follows:

**“8.5.2 Declaring the Certificate in Public Policy**

~~Students wishing to declare a Certificate in Public Policy are encouraged to consult with the Program Coordinator to discuss the requirements of the program.~~ Students interested in a Certificate in Public Policy are first encouraged to consult with the Program Coordinator to discuss the requirements of the program. After consultation with the Coordinator, students wishing to enroll in the certificate can declare a Certificate in Public Policy by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

Page 105, 2015-2016 Calendar, under the heading 8.4.3 Regulations for the Certificate in Criminology, amend the calendar entry as follows:

Faculty of Arts – General Housekeeping (cont'd)

**“8.4.3 Regulations for the Certificate in Criminology**

The Certificate in Criminology consists of 21 credit hours as prescribed below. Six credit hours must be at the 3000-level or higher and no more than 15 credit hours shall be in a single discipline:

1. 12 credit hours in Sociology 1000, 2300, 3290 and 3395;
2. 3 credit hours in either Law and Society 1000 or Law and Society 2000; and
3. 6 additional credit hours at the 2000-level or above chosen from Table 1 Courses Approved for the Certificate in Criminology.

Not all courses are offered every semester. Students are strongly advised to consult with the Program Coordinator for assistance with course planning. Students who complete 3 credit hours in a research methods course in Psychology (2910, 2911, 2920, 2925 (Grenfell Campus only)) or Sociology (3040, 3041) shall, for the purposes of the Certificate, be deemed to have fulfilled 3 credit hours in Sociology 2300. The former Sociology 2000 may be used in lieu of Sociology 1000.”

Page 107, 2015-2016 Calendar, under the heading 10 Harlow Campus Semester, amend the calendar entry as follows:

**“10 Harlow Campus Semester and Field Schools**

~~This is an integrated interdisciplinary Arts program offered each Fall semester at the Harlow Campus, England. The content of the program changes each Fall, depending upon the departments involved. Credits for the program equal 15 credit hours, with the allocation of credits to departments changing each Fall. The Faculty of Arts periodically offers programming at the Harlow Campus, England and in specialized field school locations around the world. The content of the programs changes depending on the departments and instructors involved. Priority is normally given to delivering courses that are required for a Major, Minor, Diploma and/or Certificate program. Students wishing to enrol in a Harlow semester or a Faculty of Arts field school must have completed at least 48 credit~~ a minimum number of credit hours at the university level as specified by the participating department, and satisfy any prerequisites which may be required. Enrolment is competitive. The relevant admission criteria, as well as other information, may be obtained from the Office of the Dean of Arts and the participating department.”

Faculty of Arts – General Housekeeping (cont'd)

Page 161, 2015-2016 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

**“102F Foundation English** is a non-credit course designed for students whose first language is other than English and whose knowledge and use of English do not meet the standards for entry into the regular first-year English courses.

CH: 0

UL: May not be taken concurrently with a 1000-level English course.

LC: 4 hours of lecture plus one hour conversation class

LH: 1”

Page 152, 2015-2016 Calendar, under the heading 12.1 Anthropology, amend the calendar entry as follows:

**“3260 ~~Social and Economic~~ International Development** (same as Sociology 3260 ~~and the former Sociology/Anthropology 3260~~) is an examination of theories of development including a critical analysis of international case studies. ~~empirical situations to which they are applied.~~

CR: Sociology 3260, the former Sociology/Anthropology 3260

**4280 Advanced Newfoundland and Labrador Ethnography** ~~–inactive course.~~

~~A survey of the ethnographic literature on Newfoundland and Labrador, past and present, with special emphasis on ecological adaptation, interpersonal relations, class formation, patronage, brokerage, clientship, state formation, and modernization. Prerequisites: Sociology/Anthropology 2230, and at least third year standing in an Arts degree programme.”~~

Page 154, 2015-2016 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

**“2450 Principles of Archaeological Science** introduces the student to a broad range of scientific approaches and quantitative methods used in archaeology. The course provides an overview of the historical development of archaeological science and a survey of the analytical techniques used to investigate materials recovered from archaeological contexts, including biomolecular methods, statistical analysis of data, geophysical prospection, dating techniques and quantitative methods of calibration, and remote sensing. All sections of this course follow Quantitative Reasoning Course Guidelines available at [www.mun.ca/arts/qr](http://www.mun.ca/arts/qr).

PR: ARCH 1030

Faculty of Arts – General Housekeeping (cont'd)

**3290 ~~Newfoundland and Labrador Prehistory~~ First Peoples of Newfoundland and Labrador** is a seminar and reading course on the culture history of Newfoundland and Labrador from about 9,000 years ago until the time of European settlement. Particular attention will be paid to the interactions among the several ethnic and cultural groups upon whose history this course focuses.  
PR: ARCH 1030

**3291 ~~Maritime Provinces Prehistory~~ First Peoples of the Maritime Provinces** explores cultural developments in the area which today includes the Maritime Provinces and northern Maine, from the entry of humans into the region until the time of European contact. Emphasis is placed on cultural adaptations to a changing regional environment and the evidence for intercultural contact.  
PR: ARCH 1030

**3510 ~~Prehistory of the New World~~ The Ancient Americas** is a survey of cultural development in the Americas from the entry of humans until the time of European contact. Topics include: the earliest human migrations and the dispersal of human groups throughout the New World; the development of complex hunting-gathering societies; the origins of agriculture and sedentism.  
PR: ARCH 1030

**3561 Ethnoarchaeology** is a subfield of archaeology that uses recent ethnographic information to interpret and explain the material remains of past human behaviour. This course compares the goals and methods of ethnoarchaeologists with those of ethnographers and archaeologists. Case studies are used to illustrate the different approaches and concerns of ethnoarchaeologists working in different regions of the world.  
PR: ARCH ~~2480~~ 1030, or permission of instructor

**3584 Historical Anthropology** (same as the former Anthropology 3584 and History 3535) will explore selected issues in historical anthropology, with special reference to the Mediterranean and North Atlantic worlds. Students will read specific case studies in order to explore the theoretical issues raised by the attempt to understand historically-documented past cultures. In order to give practical examples of methodology classes will analyse primary source material. Students will be introduced to the textual analysis of myth and legal records, to the interpretation of images and to the analysis of patterns in material culture. The course will consider specific current interpretive issues, particularly the rise of

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individualism, the consumer revolution and the cultural construction of gender.

CR: the former Anthropology 3584, History 3535

~~PR: the former ARCH 2582, ARCH 2480 or any 2000 level History course~~

~~**3587 Archaeological Conservation**—inactive course~~

~~**3591 Collections Management**—inactive course~~

**3593 Archaeology of Children** examines emerging archaeological and bioarchaeological research on children and childhood. Topics include play, learning work, embodiment, identity, death, narrative approaches to children's lives, and the paleoanthropology of childhood.

CR: the former ARCH 3684

PR: ARCH ~~2480~~ 1030

**3650 Artifacts of Colonial North America** provides students with practical experience in the analytical methods used to identify, date and interpret the different types of artifacts encountered on seventeenth- and eighteenth century archaeological sites in Colonial North America. In depth discussions on manufacture, technology, form and function provide the necessary background for a better understanding of concepts relating to artifact identification, provenance, dating techniques, theoretical approaches and other current issues. Practical, hands-on exercises will help reinforce weekly topics and teach students the fundamentals required to interpret artifact assemblages from the historic period.

PR: ~~ARCH 2480, the former ARCH 2582~~ ARCH 1030, or permission of the instructor

**3680-3689 Studies in Archaeology and Prehistory** will include the consideration of current developments in methods, techniques and theory as applied to selected areas of the world.

PR: ~~ARCH 2480 or equivalent~~ ARCH 1030

**3750 Archaeology of Warfare** is a broad overview of archaeological research conducted at sites associated with human conflict spanning from ancient Greece to World War II. Weekly lectures will provide students with a solid background on the various means by which archaeologists study and excavate sites relating to war, conflict and subjugation. A broad range of topics will be covered including remote sensing and field survey techniques, the changing technology and tactics of war, battlefield

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sites, POW camps, sunken naval vessels, aviation sites, fortifications and frontier outposts.

PR: ~~ARCH 2480 or the former ARCH 2582~~ ARCH 1030

~~**3800 Fieldwork in Vernacular Architecture: Drawings and Photography**~~ inactive course

~~**3900 Newfoundland Vernacular Furniture**~~ inactive course

**4041 Palaeopathology** looks at disease, diet, genetics, accidents and maternal health factors as contributors to variations in the human skeleton. In this lecture and ~~laboratory~~ seminar course students will investigate how these factors are diagnosed from bones, and aspects of the culture, health, economy and environment of the skeletal individuals are examined.

**4050-4059 Special projects in Bioarchaeology** includes directed reading, seminars and lab analysis of various skeletal collections. Topics to be covered may include primate behaviour, forensic anthropology, stable and radiogenic ~~isotope~~ isotope analysis and various aspects of human evolution.

~~**4996 Comprehensive Examination**~~ inactive course”

Page 159, 2015-2016 Calendar, under the heading 12.6 Economics, amend the calendar entry as follows:

~~“**2070 The Structure and Problems of the Newfoundland Economy** An analysis of the structure of the economy of Newfoundland. Current economic issues and problems in Newfoundland will be studied. This course is intended for those who do not possess a background in basic economic theory.~~

**3070 The Structure and Problems of the Newfoundland and Labrador Economy** is an analysis of the structure of the economy of Newfoundland and Labrador. Basic economic theory will be applied to current economic issues and problems in Newfoundland and Labrador.  
PR: ECON 2010 and 2020”

Page 161, 2015-2016 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

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**“3155 Newfoundland Literature** is a study of Newfoundland literature from the island of Newfoundland with emphasis on representative writers since 1900.

**3500 Introduction to Old English Language and Literature** introduces students to the basic elements of Old English grammar and vocabulary through the practice of translating one or more texts from Old English into modern English and the study of the Old English corpus in modern translations.

CR: the former ENGL 250A/B

PR: successful completion of two 2000-level English courses, or enrollment in the Certificate in Ancient Languages”

Page 166, 2015-2016 Calendar, under the heading 12.9 Folklore, amend the calendar entry as follows:

~~“3591 Collections Management  
—inactive course—~~

~~3900 Newfoundland and Labrador Vernacular Furnishings  
—inactive course.”~~

Page 167, 2015-2016 Calendar, under the heading 12.10 French, amend the calendar entry as follows:

**“2100 Intermediate French I** is a course on composition, grammar and practice in oral skills. All sections of this course follow the Language Study Course Guidelines available at [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).  
**2100 Français intermédiaire II** traite de rédaction, grammaire et pratique orale. Toutes les sections de ce cours suivent le guide des cours de langue qui est consultable à [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).

PR: FREN 1502 with a grade of at least 60% or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2101 Intermediate French II** is further work in composition, grammar and oral skills. All sections of this course follow the Language Study Course Guidelines available at [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).  
**2101 Français intermédiaire II** est la continuation du travail de rédaction, de grammaire et de communication orale. Toutes les sections de ce cours suivent le guide des cours de langue qui est consultable à [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).

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PR: FREN 2100 or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2159 Advanced French for First-year Students I** is primarily intended to build on the language skills acquired by students in immersion programs. Development of reading, writing, listening and speaking ability through practical oral and written exercises. Other qualified students may register with the permission of the Head of Department. All sections of this course follow the Language Study Course Guidelines available at [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).

PR: Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2159 Français avancé pour étudiants de première année I** ce cours est conçu principalement pour développer les compétences linguistiques des étudiants qui ont reçu leur formation dans les programmes d'immersion. La compréhension et l'expression écrites et orales seront développées au moyen d'exercices pratiques oraux et écrits. Les étudiants ayant des qualifications équivalentes peuvent s'inscrire à ce cours avec la permission de la direction du ~~département~~ département. Toutes les sections de ce cours suivent le guide des cours de langue qui est consultable à [www.mun.ca/arts/lis](http://www.mun.ca/arts/lis).

PR: primarily intended for students who completed immersion programs or with permission of the Head of the Department. FREN 2159 and 2160 are courses designed for former French immersion students as well as others with exceptional backgrounds in French, and are intended as an alternative to the 1500, 1501, 1502, 2100, 2101 sequence.

UL: this course does not satisfy the requirements of the Major and Minor programs in French

PR: Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2300 Phonetics** is a practical introduction to French phonetics, including the International Phonetic Alphabet and phonetic transcription as well as corrective phonetics.

**2300 Phonétique** est une introduction pratique à la phonétique du français. Emploi des symboles de l'alphabet phonétique, transcription phonétique et phonétique corrective.



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OR: may be offered in accelerated format outside the regular semester or session timeframe when being delivered as part of the Frecker Summer Program

PR: FREN 1502 ~~or equivalent~~ with a grade of at least 60% or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2601 Grammar and Reading** will explore reading strategies in a variety of narrative and descriptive readings in French. This course will normally be taught in French.

**2601 Grammaire et texte** propose l'exploration ~~les étudiants exploreront~~ des stratégies de lecture qui faciliteront la compréhension de textes narratifs et descriptifs divers. Ce cours sera enseigné normalement en français.

PR: FREN 1502 ~~or equivalent~~ with a grade of at least 60% or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2602 Reading Practice** will explore reading strategies in a variety of readings in FREN intended to inform or persuade. This course will normally be taught in French.

**2602 Pratique de la lecture** propose l'exploration ~~les étudiants exploreront~~ des stratégies qui faciliteront la compréhension de textes informatifs et argumentatifs divers. Ce cours sera enseigné normalement en français.

PR: FREN 1502 ~~or equivalent~~ with a grade of at least 60% or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85% or French 3283 with a grade of at least 85% or equivalent

**2900 A Survey of Francophone Cultures** places emphasis on oral comprehension and expression.

**2900 Survol des cultures francophones** met l'accent ~~accet~~ mis sur la compréhension et l'expression orales.

CR: the former FREN 2500

OR: may be offered in accelerated format outside the regular semester or session timeframe when being delivered as part of the Frecker Summer Program

PR: FREN 1502 ~~or equivalent~~ with a grade of at least 60% or Passport Français 3302 with a grade of at least 85% or Gr.12 French Immersion with a grade of at least 80% or French 4283 with a grade of at least 85%

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or French 3283 with a grade of at least 85% or equivalent. Students who have obtained less than 70% in 1051 are, however, advised to complete FREN 2100 before attempting this course.”

Page 172, 2015-2016 Calendar, under the heading 12.12 Geography, amend the calendar entry as follows:

“**3140 Biogeography** is the application of ecological concepts to the study of the spatial variations in the distribution of ~~plants and vegetation~~ species. Laboratory work emphasizes terrestrial ~~flora of Newfoundland~~ species distributions of the island of Newfoundland.”

Page 171, 2015-2016 Calendar, under the heading 12.11 Gender Studies, amend the calendar entry as follows:

“**3002-3020 (Excluding 3004, 3005 and 3009) Special Topics in Gender Studies** (same as the former WSTD 3002-3020 excluding 3004, 3005 and 3009) will have topics announced by the Department.

PR: 3 credit hours in Gender Studies at any level

**3005 Feminist Texts, Theories and Histories** (same as the former WSTD 3005) examines the development and dissemination of feminist thought through analyses of key texts and diverse media, and their connections to historical and contemporary debates within feminism.

CR: the former WSTD 3005

~~PR: either GNDR 1000 or the former WSTD 1000 or GNDR 2005 or the former WSTD 2005~~

PR: 3 credit hours in Gender Studies at any level

**3025 Theories of Gender, Race and Post-Colonialism** examines theories, themes and issues that have emerged from, and in response to, post-colonial studies in recent decades. This course focuses particularly on what this body of scholarship contributes to understandings of the roles of gender, race and sexuality in colonialism, as well as the comprehension of current social and political realities.

~~PR: either GNDR 1000 or the former WSTD 1000 or GNDR 2005 or the former WSTD 2005~~

PR: 3 credit hours in Gender Studies at any level

**3100 Gendered Politics of Health** (same as the former WSTD3100) examines intersections of gender and health, recognizing these to be politically shaped categories that have direct implications for ~~individual's~~

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individuals' lives. This course considers the ways that particular conceptualizations of gender, health, and well-being are shaped and challenged and considers the role of individuals, institutions and states in structuring opportunities and challenges related to health.

CR: Sociology 4201, the former WSTD3100

~~PR: GNDR1000 or the former WSTD1000 is required and GNDR2005 or the former WSTD2005 is recommended.~~

PR: 3 credit hours in Gender Studies at any level

**4000 Contemporary Feminist Issues** (same as the former WSTD 4000) is an interdisciplinary seminar in Gender Studies that identifies emerging debates in contemporary feminism and analyses complex and contentious issues and how they intersect and disrupt social constructions of gender.

CR: the former WSTD 4000

OR: 3 hour seminar per week

~~PR: GNDR 3005 or the former WSTD 3005 or GNDR 3025~~

PR: 6 credit hours in Gender Studies, including 3 credit hours in Gender Studies at the 3000-level

**4005 Feminist Practices** (same as the former WSTD 4005) examines, in considerable depth and detail, connections between feminist theories and activism for social and political change. It examines how social movement activism, including feminism, is mobilized in different historical, cultural and national contexts.

CR: the former WSTD 4005

~~PR: GNDR 3005 or the former WSTD 3005 or GNDR 3025~~

PR: 6 credit hours in Gender Studies, including 3 credit hours in Gender Studies at the 3000-level"

Page 181, 2015-2016 Calendar, under the heading 12.18 Law and Society, amend the calendar entry as follows:

**"3400 Organized Crime in Canada: National and Global Perspectives** examines the origins, expansion, and changing character of organized crime in Canada from the early twentieth century to the present, as well as Canada's role in transnational organized criminal activity. Laws relating to criminal activity, law enforcement and available tools to combat organized crime are assessed according to the inherent problems of investigation, evidence, and litigation.

**4900 Development of Law in Newfoundland and Labrador** (same as History 4232 and the former History 4214) traces the evolution of the

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legal system of Newfoundland and Labrador from its earliest beginnings. Students are responsible for contributing to seminar discussions and presenting a research essay on some major themes that distinguish legal developments in Newfoundland and Labrador.

CR: History 4232, former History 4214

PR: at least 18 credit hours from Table 1 Core Faculty of Arts Courses Approved for the Major or Minor in Law and Society, including LWSO 1000”

Page 187, 2015-2016 Calendar, under the heading 12.24 Political Science, amend the calendar entry to read as follows:

**“3010 Empirical Methods in Political Science** is an introduction to basic concepts in the scientific approach to studying politics, and provides students with the fundamental skills for conducting empirical research using both qualitative and quantitative methods. These skills include how to construct a research project, and how to collect and analyze information. All sections of this course follow Quantitative Reasoning Course Guidelines available at [www.mun.ca/arts/qr](http://www.mun.ca/arts/qr).

PR: ~~POSC 2010 or 9 credit hours in Political Science; enrollment in the Political Science Honours, Major or Minor program~~ 6 credit hours in Political Science at any level or the instructor’s permission

**4100 Approaches to Political Theory** is an introduction to the interpretation of political texts. Features historical and hermeneutical approaches to the study of Political Science.

PR: ~~POSC 2100 or a POSC 31xx course, or the instructor's permission~~

**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.

PR: ~~POSC 3100 or 3110, or signed permission of the instructor.~~

**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.

PR: ~~POSC 2100 or a POSC 31xx course, or the instructor's permission~~

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**4860 Elections in Canada** is an examination of election campaigns and electoral systems in the Canadian political system, with an emphasis on candidates, parties, voters, electioneering activities and campaign regulations.

PR: POSC 2800 ~~and a POSC 38xx course, or POSC 3350, 3390, or 3860,~~  
or the instructor's permission”

Page 193, 2015-2016 Calendar, under the heading 12.27 Sociology,  
amend the calendar entry as follows:

“**2100 Social ~~Inequality~~ Inequalities** introduces the subject of social inequality and stratification, examines social ~~inequality~~ inequalities in historical perspective, reviews major theories about social ~~inequality~~ inequalities, and considers key social developments in contemporary societies in the area of social ~~inequality~~ inequalities.”

**2120 Technology and Society** is an examination of the role of technology in society and society's role in shaping technology. Topics may include the emergence of modern technological society, the impact of new technologies on social organization and culture, and the institutionalization of science and the production of scientific knowledge. The course also explores the ideological functions of science and technology ~~in advanced industrial societies as well as the question of "the domination of nature"~~.

**2270 Families** (same as the former Sociology/Anthropology 2270 and the former Anthropology 2270) is a comparative and historical ~~perspective on study of the family as a social institution, and the range of variation in its~~ processes and structure ~~structure and the determinants of its development.~~

CR: the former Sociology/Anthropology 2270, the former Anthropology 2270

**3120 Social Psychology** examines sociological perspectives on social psychology: the physiological and psychological basis of sign and symbol use, the context and emergence of self, identity, role, encounters, social relationships, altercasting.

PR: SOCI 1000 ~~or the former 2000~~

**3140 Social Movements** (same as the former Sociology/Anthropology 3140 and the former Anthropology 3140) examines the major social movements that have driven social changes related to gender equality, social justice, human rights, and the environment. The course asks why

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people become involved in social movements, and what factors contribute to movement success. The course also examines social movements' use of mass media and new media technologies as tools for reaching the public and provoking social and cultural transformation.

CR: Sociology/Anthropology 3140, the former Anthropology 3140

PR: ~~SOCI 1000 or the former 2000~~

**3150 Classical Social Theory** is an introduction to the work of major 19th and early 20th-century social theorists including Marx, Durkheim, and Weber and Freud.

PR: SOCI 1000 or the former 2000

**3200 Population** is an introduction to demography, the scientific study of human populations, their size and composition, and the processes by which they change over time: nuptially, fertility, mortality, and migration. Includes analyses of past and present Newfoundland and Labrador populations.

PR: SOCI 1000 or the former 2000

**3260 Social and Economic International Development** (same as Anthropology 3260 ~~and the former Sociology/Anthropology 3260~~) is an examination of theories of development including a critical analysis of international case studies. ~~empirical situations to which they are applied.~~

CR: Anthropology 3260, the former Sociology/Anthropology 3260

PR: ~~SOCI 1000 or the former 2000~~

**3300-3313 Sociological Specialties** will have a topic of current interest and importance, announced by the Department for each term, such as racial and ethnic relations, sociology of religion, health, art, politics, language, conflict, stratification, knowledge, selected social problems.

**3400 Sociology of Youth** explores the social construction of youth and reviews major theoretical approaches to the study of youth within Western Society. The course examines youth in relation to culture and identity, place and space, social inequalities, and social institutions.

PR: ~~SOCI 1000 or the former 2000~~

**3420 Sociology of Gender** provides a comprehensive introduction to the major themes, theories and research questions addressed by sociologists studying 'gender'. The economic, social, cultural and political aspects of gender formations, in comparative Canadian and transnational contexts, will be examined.

PR: ~~SOCI 1000 or the former 2000~~

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**3731 Sociology of Culture** is a comparative examination of major contemporary sociological texts on the relationship between culture, broadly understood as symbolic systems, and social structure

PR: SOCI 1000 or the former 2000

**4092 Gender and Social Theory** (same as the former Sociology/Anthropology 4092 and the former Anthropology 4092) is a seminar which examines assumptions about what constitutes 'social theory,' the will develop the material covered In SOCI 3420 at a more theoretical level. It will cover the history of social thought as it applies to issues of gender, and will discuss some theoretical debates in the area of gender and social theory. the debates surrounding the intersection of gender and social theory. The goal is to understand more about ways in which social theory has illuminated relations between gendered categories, the social world and its diverse inhabitants.

CR: the former Sociology/Anthropology 4092, the former Anthropology 4092

PR: SOCI 3040, 3150, 3420 or permission of the instructor

**4093 Development Sociology** is a seminar course focusing on theoretical and empirical explanations of development (eg. International development, foreign aid, and trade). The course provides students with an understanding of how the theories, actors, and ongoing challenges of development shape societies globally.

PR: SOCI 3040, 3150 6 credit hours at the 3000-level in Sociology or in any other discipline in the Humanities or Social Sciences

**4107 Feminist Technologies** (same as the former Women's Studies 4107) investigates the effects of technology on women's lives and technologies that exemplify feminist values and ideology. Topics could include: The history of domestic and workplace technology; assessing, designing, and building technologies from a feminist perspective; the gender politics of technological systems; information technologies; biotechnology and ecology; development in architecture and design. The course combines seminar discussions of reading with hands-on activities.

CR: the former Women's Studies 3009, the former Women's Studies 4107

PR: SOCI 3040 and 3150 or permission of the instructor 9 credit hours in any combination of SOCI, Gender Studies, Communication Studies 2000, Communication Studies 2001

**4212 Sociology of Policing** is a seminar course ~~that focuses on~~ exploring the role policing plays in society, the social, economic, and political

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factors that shape policing services, and policies to improve policing. Topics may include ~~the policies that may be implemented to strengthen policing in the future.~~ The popular views of the police, the use of force in arrest and public protest, investigative myths and effectiveness, community policing, police socialization, policing problems such as family violence, policy misconduct, gender and diversity in police services and the expansion of private policing. ~~of the police role, detective myths and effectiveness, community policing, police socialization, policing special types of problems, police misconduct, and the expansion of private policing are considered.~~  
PR: SOCI 3040, 3150”

Page 109, 2015-2016 Calendar, under the heading 11.3.2.1 First Courses, amend the calendar entry as follows:

**“11.3.2.1 First Courses**

The student majoring in Archaeology must meet the requirements listed under Regulations for the General Degree of Bachelor of Arts. Under these Regulations, a minimum of 36 credit hours in Archaeology is required. Students wishing to concentrate in this option must complete the Required Courses Archaeology 1030, 2480, 4182, and 4411. In addition, students are required to take 3 credit hours from Group 1 (Core Courses); 9 credit hours from Group 2 (Field and Laboratory Courses); 3 ~~6~~ credit hours from Group 3 (Regional Courses); and 6 credit hours from Group 4 (Topical Courses).

Course Groupings for the Archaeology Program:

Required Courses: 1030, 2480, 4182, 4411.

Group 1 (Core Courses): 1001, 2430, 2450, ~~2590~~.

Group 2 (Field and Laboratory Courses): 3040, 3583, 3585, 3586, ~~3587~~, ~~3594~~, 3650, 3710, ~~3800~~, 3850, ~~3900~~, 4015, 4151, 4152, 4153, 4171, ~~4194~~.

Group 3 (Regional Courses): 2481, 3290, 3291, 3500, 3505, 3510, 3515, 3520, 3525, 3580, 3588, 3592, 3651.

Group 4 (Topical Courses): 3001, 3020, 3536, 3561, 3582, 3584, 3590, 3593, 3594, 3687, 3750, 3860, 4041, 4043, 4150, 4172, 4173, 4500, 4994.

**Table 1 Suggested Course Progression for  
Bioarchaeology/Archaeological Science Specialization Area of a  
Major in Archaeology [keep as-is]**



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**Table 2 Suggested Course Progression for Historical Archaeology Specialization Area of a Major in Archaeology**

Term	Courses
First Year	ARCH 1030 ARCH 2480
Second Year	the former ARCH 2582 ARCH <del>2590</del> 1001 ARCH 3590 ARCH 3650 ARCH 3651 Students are strongly recommended to take the Archaeology Field School after their second or third year of study. The courses associated with the field school include ARCH 3583 (Intercession), ARCH 3585 and ARCH 3586 (Spring), and these count towards the Field and Laboratory course requirements (9 credit hours).
Third Year	ARCH 3710 ARCH 3850 ARCH 3860 ARCH 4015 Students are strongly recommended to take the Archaeology Field School after their second or third year of study. The courses associated with the field school include ARCH 3583 (Intercession), ARCH 3585 and ARCH 3586 (Spring), and these count towards the Field and Laboratory course requirements (9 credit hours).
Fourth Year	ARCH 4182 ARCH 4411 3 credit hours from ARCH 3001, 3561, 3584, 3750

49.20 First Year Success Program

Page 196, 2015-2016 Calendar, under the heading 12.29 University, amend the calendar entry as follows:

**“1010 The University Experience** helps students develop the skills and strategies that will benefit them as they make the transition from high school to university. Class activities and assignments focus on critical and creative thinking, communication skills, self-awareness, information literacy, and the ability to work in teams. Students will explore the campus community and examine the role the university plays in our society.”

Page 157, 2015-2016 Calendar, under the heading 12.3 Arts, amend the calendar entry to read as follows:

~~“1500 Introduction to Critical Reading and Writing in University introduces students to some of the processes, techniques, and standards of university-level critical reading and writing. Students will engage in the~~

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~~practices of critical reading and pre-writing, drafting, revising, and editing texts. An emphasis will be placed on using writing in response to critical reading exercises. All sections of this course follow Critical Reading and Writing guidelines available at [www.mun.ca/arts](http://www.mun.ca/arts).”~~

Page 196, 2015-2016 Calendar, under the heading 12.29 University, amend the calendar entry as follows:

**“1500 Introduction to Critical Reading and Writing in University** introduces students to some of the processes, techniques, and standards of university-level critical reading and writing. Students will engage in the practices of critical reading and pre-writing, drafting, revising, and editing texts. An emphasis will be placed on using writing in response to critical reading exercises. All sections of this course follow Critical Reading and Writing guidelines available at [www.mun.ca/arts](http://www.mun.ca/arts)  
CR: the former ARTS 1500”

49.21 Department of Religious Studies

Page 190, 2015-2016 Calendar, under the heading 12.25 Religious Studies, amend the calendar entry as follows:

**“1000 The Religions of the World** is an introduction to the basic beliefs and practices of the world's great religions.  
CR: the former RELS 2010

~~**1020 Christianity in Western Civilization** is an introduction to Christianity and its place in the history of Western civilization through examples from Early Christianity, the Reformation, and the Modern Period.~~

~~**1032 Introduction to Asian Religions and Culture** is a broadly based survey course introducing students to the religions, culture, and societies of Asia. Traditions explored may include those of India (Hinduism, Buddhism, Sikhism, Jainism), China (Daoism, Confucianism, Buddhism), Japan (Shinto, Zen Buddhism), and Korea.~~

~~**1200 The Bible in Western Religion and Culture** is an introduction to the Bible and its impact on literature, art, film, and music in Western culture. This course explores both the basic story line, characters, and themes in the Bible and the Bible's foundational role in the depiction and development of Western culture.~~

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**2013 Introduction to Christianity** is a study of the Christian tradition, its development and variety from the early Church to the modern era. The course will include an examination of the beliefs and practices of both Eastern and Western Christianity and a study of the main differences among the major Western denominations.

**2050 Introduction to the The Old Testament** is an introduction to the historical background, literary structure, and content of the Old Testament. Emphasis will be placed on the authorship and dating of the various texts that comprise the Old Testament, as well as on major themes, figures, and events.

**2051 Introduction to the The New Testament** is an introduction to the history and literary structure of the documents comprising the New Testament. Emphasis will be placed on the major themes found in these documents and on the distinctiveness of approach of the individual writers.

**2330 Introduction to Judaism** is an introduction to central beliefs and practices of the Jewish faith, from its beginnings to the modern era. ~~is an exploration of Judaism from its beginnings to the modern era. This course introduces students to the basic beliefs and practices of the Jewish faith.~~

**2340 Introduction to Islam** is a study of the religion of Islam examines the tradition in its historical and contemporary manifestations; Muhammad, the Qur'an, Islamic sects, relations with Judaism and Christianity; trends and developments in contemporary Islamic thought and practice.

CR: the former RELS 3340.

**2350 Religious Institutions** (same as Anthropology 2350) is a contextual ~~comparative~~ study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.

CR: Anthropology 2350, the former Sociology/Anthropology 2350, the former Sociology 2350

**2400 Introduction to Buddhism** examines the history of Buddhist traditions in Asia, with consideration of the major developments in Buddhist philosophy, institutions, and practices. ~~is a study of the history of the Buddhist tradition in India and China, the development of the main lines of Buddhist thought, and the nature of the Chinese transformation of Buddhism.~~

CR: the former RELS 3400

Department of Religious Studies (cont'd)

**2410 Introduction to Hinduism** ~~examines the history of Hindu religious traditions, their major religious texts, institutions, and practices, and their role in social, political, and cultural movements in India and in Hindu diaspora communities. involves a study of the religious thought and history of India, the literature of Hinduism, the major thinkers in Hindu philosophy, and the role of Hinduism in the culture and society of India.~~  
CR: the former RELS 3410

**2420 Introduction to Chinese Philosophy and Religion** ~~is an introduction to the principal forms of tradition to emerge in China. This course examines philosophical and religious responses to social and political crises in ancient China, the origins and development of Finding ways to answer the crises of prolonged warfare, high unemployment, a vast divide between rich and poor gave rise to the schools of Confucianism, Daoism, Moism, and Legalism, and others. After exploring the social and historical conditions that gave rise to them, the course will explore their continuing development and role in Chinese society. This introductory course examines the various schools' answers to these crises and how they connect to today.~~

**2430 Introduction to Japanese Religions** ~~is an examination of the nature introduction to the origin, teachings, and development of Shinto, the history and characteristics of the major sects of Japanese along with the development of Buddhism in Japan, and the origins and importance of the New Religions of the 19th and 20th centuries, especially Tenrikyo and Soka Gakkai. The course also examines the emergence of the "new religions" that bring together Shinto and Buddhism and their phenomenal growth in the 20<sup>th</sup> and 21<sup>st</sup> centuries.~~  
CR: the former RELS 3430

**2800 Women in Gender and Sexualities in Western Religions** ~~is an examination of the examines attitudes toward, and roles of, women in the treatment and construction of gender and sexualities in Western religions, including prehistoric traditions, Judaism, Christianity, and Islam, and New Religious Movements. Contemporary evaluations of these traditions from the point of view of women gender studies perspectives will also be considered.~~

**2801 Women in Gender and Sexualities in Eastern Asian Religions** ~~is an examination of the history of women examines gender and sexuality in the traditions of Hinduism, Buddhism, Confucianism, Daoism Taoism, and folk traditions in Asia. Contemporary evaluations of these traditions from gender studies perspectives will be considered. The~~

Department of Religious Studies (cont'd)

~~modern status of women in Asia and its relationship to traditional religious ideas will also be studied.~~

**2811 ~~Introduction to Contemporary Religious Movements~~** ~~is an introduction to contemporary religious movements in the West, including explores the development and forms of modern, western spiritualities, such as modern witchcraft, Neo-pagan religions, Mother Earth spirituality, UFO religion and the New Age Movement.~~

**2812 Religion and Popular Culture** ~~will focus~~ focuses on the portrayal and treatment of religion in popular culture and ~~will examine some of the ways in which religious and mythic themes are expressed in such pop culture forums as television shows, films, music, mass-market fiction and material culture.~~

**2830 Religion and Popular Music** explores the religious themes and images found in popular music and song, considering the role of music as a vehicle for religious expression. ~~is an introduction to the study of religious themes in popular music. The course will explore the influence of religious music on popular music and song and examine the role of music and song in the expression of religious themes.~~

**2850 Religion and the Law: The Secular in Contemporary Canada** examines contemporary legal debates on secularism ~~religious practices in Canada. Its perspective will be~~ Taking a historical and sociological perspective, ~~It will examine indigenous traditions, the beginnings of Christianity in Canada, and~~ it considers how shifts in immigration policy have encouraged a diversity of contemporary religious practice. ~~It will conclude by examining religion in contemporary Canada, particularly issues of~~ The course pays particular attention to religion and public policy (related to the Multiculturalism Act) and to changing definitions of accommodation and the secular.

**3091 The Problem of Justice in the Old Testament** ~~Visions of Suffering in the Hebrew Bible~~ introduces students to the universal problem of ~~human suffering~~ divine justice as it is depicted in various biblical books. Special attention will be placed on the book of Job, but notions of suffering in the Psalms, Jeremiah, Proverbs, Ecclesiastes, and some apocryphal literature will also be considered.  
CR: the former RELS 3090

**3150 ~~Early Christian Thought: The First Five Centuries~~** ~~inactive course.~~

Department of Religious Studies (cont'd)

**3200 Jesus: His Life and Teaching of Nazareth**—is a study of the ~~ministry and thought of Jesus of Nazareth as contained in the Gospels and other New Testament writings. Attention will be given to the methods and conclusions of recent scholarship as applied to his principal teachings and to the study of the historical Jesus. Beginning with an assessment of the relevant source material, this course explores what can be known about the life of Jesus of Nazareth in its historical and cultural contexts.~~

**3210 Paul and His Writings** is a study of the writings of the Apostle Paul in the New Testament, and his contribution to Christianity in the cultural and historical milieu in which he lived and was active. Pauline writings and an appraisal of the contribution to Christianity of his mission and theology on the basis of New Testament, and other relevant material. Particular attention will be given to such related themes as salvation, reconciliation, grace, and justification.

**3265 Ethics and the New Testament**—inactive course.

**3276 Contemporary Issues and the Bible** examines the relevance of the Bible to such issues as climate change ~~the environmental crisis,~~ capitalism, and technology and freedom.

CR: the former RELS 3275

**3305 ~~The Religion of Ancient Israel~~** is an exploration of the religious thought and practices institutions of the kingdoms of Israel and Judah in their cultural and historical contexts in the Old Testament period, from their beginnings to the Babylonian Exile of the sixth century B.C.E. The course introduces students to the religious beliefs, practices, and institutions of these two kingdoms prior to their destruction and prior to the development of Judaism in the post-exilic period.

CR: the former RELS 3050

**3310 Judaism at the ~~Beginning of the Christian Era~~ Time of Jesus** will explore the developments in Jewish thought, institutions, beliefs, and practices from the Babylonian Exile of the sixth century B.C.E. to the time of Jesus, King Herod and the Roman Empire of the first century C.E. during the time when Greek and Jewish cultures encountered one another and in which Jesus of Nazareth lived.

CR: the former RELS 3220

**3315 The Development of Modern Judaism**—inactive course.

Department of Religious Studies (cont'd)

~~**3320 Mysticism in Judaism and Islam**~~—inactive course.

~~**3412 The Teachings of the Upanishads**~~ is an in-depth examination of some of the principal Upanishads, foundational texts for Hindu religious philosophy and techniques of meditation. The course also examines classical and modern interpretations of these texts.

~~**3591 Christian Mysticism**~~ is a study of the origins and development of the mystical tradition in Christianity from the fathers of the early Church to contemporary spirituality. The course will examine representative writers and writings from both the Western Christian tradition and Eastern Orthodoxy.

~~**3810 Religion, Society, and Culture**~~ ~~**Modern Interpretations of Religion**~~ is a study of modern attempts to analyze, interpret, and reassess the place and significance of religion in human life, as found in classic theorists such as Nietzsche, Marx, Freud, and Durkheim, ~~Sartre, Otto, Eliade, and Tillich.~~

CR: the former RELS 3531

~~**3831 Religious Themes in Contemporary Songwriting**~~—inactive course.

~~**3880 Religion, Worldviews, and the Environment**~~ examines the human connection to the natural world as expressed in traditional religions, indigenous worldviews and contemporary approaches to environmental crises. ~~**Spirituality and the Earth**~~ is an examination of the attitudes of various religious traditions to the environment. Special attention will be paid to Native American spirituality.

PR: 3 credit hours in Religious Studies beyond the first-year level or departmental permission

~~**4201-4230 Biblical Studies: Special Subjects**~~ are courses which will be offered at the discretion of the Department. They are designed to provide an opportunity for students majoring in Religious Studies or doing a strong concentration of courses in the area to pursue advanced study under tutorial supervision.

PR: permission of the Department

~~**4460 Folk Religion**~~—inactive course. **Vernacular Religion** (same as Folklore 4460) examines religion as it is “lived” on a daily basis, focusing primarily on forms of belief and spirituality that are informally expressed. Drawing upon various cultural contexts, the course addresses

Department of Religious Studies (cont'd)

such notions as space and time; metaphysical powers; religious material culture, music, and verbal art; and the role and power of the holy person.  
CR: Folklore 4460, the former FOLK 4240

~~**4700-4730 Christian Thought and History: Special Subjects** are courses which will be offered at the discretion of the Department. They are designed to provide an opportunity for students majoring in Religious Studies or doing a strong concentration of courses in the area to pursue advanced study under tutorial supervision.~~

~~PR: permission of the Department~~

**4902-4910 (Excluding 4904, 4905, and 4906) Language Studies: Special Subjects** are designed to provide students with some basic knowledge of advanced training in languages necessary for studying the original ancient religious texts of the major world religions. The languages presently offered through the Department are Mishnaic Biblical Hebrew, Aramaic, Coptic, Pali, Tibetan, Japanese, Manchu, Arabic, Sanskrit, and Mandarin Chinese. These courses will be offered at the discretion of the Department. They are designed to provide an opportunity for students majoring in Religious Studies or doing a strong concentration of courses in the area to pursue advanced study under tutorial supervision. In addition to those languages mentioned above, courses in Latin and Greek are available from the Department of Classics and courses in Sanskrit from the Department of Linguistics.”

Page 101, 2015-2016 Calendar, under the heading **7.5.3 Regulations for the Diploma in Ancient Worlds, Table 1 Approved Courses for the Diploma in Ancient Worlds**, amend the table as follows:



Department of Religious Studies (cont'd)

**Table 1 Approved Courses for the Diploma in Ancient Worlds**

ARCH 1030 Introduction to Archaeology and Bioarchaeology (required course)  
ARCH 2480 Principles of Archaeology (required course)  
ARCH 2481 Ancient Civilizations of the Americas  
ARCH 3687 The Archaeology of Death  
ARCH 3290 Newfoundland and Labrador Prehistory  
ARCH 3500 Prehistory of Africa, Asia and Europe I  
ARCH 3505 Prehistory of Africa, Asia and Europe II  
ARCH 3510 Prehistory of the New World  
ARCH 3515 Prehistory of Mesoamerica  
ARCH 3580 Bronze Age Archaeology of the Eastern Mediterranean  
ARCH 3585-3586 Archaeology Field School (required course: choose ARCH 3585 or 3586)

Any CLASSIC course (CLAS): consult current calendar for full listings

HIST 2020 Ancient Near Eastern History  
HIST 2031 Ancient Asian History  
HIST 2035 History of Classical Greece  
HIST 2041 History of the Roman Republic  
HIST 2042 History of the Roman Empire  
HIST 3270 Christianity and the Roman Empire (1-4th century)  
HIST 3930 Byzantine History to 1453

PHIL 2701 History of Ancient Philosophy  
PHIL 3730 Plato  
PHIL 3740 Aristotle

RELS 1050 Intro to Biblical Hebrew I  
RELS 1051 Intro to Biblical Hebrew II  
RELS 1060 Sanskrit Language Study I  
RELS 1061 Sanskrit Language Study II  
RELS 2050 Introduction to the Old Testament  
RELS 2051 Introduction to the New Testament  
RELS 2420 Introduction to Chinese Philosophy and Religion  
RELS 3010 Greek Religion  
RELS 3020 Roman Religion  
RELS 3031 The Book of Genesis  
RELS 3091 Visions of Human Suffering in the Hebrew Bible  
RELS 3251 The Gospel of John  
RELS 3305 The Religion of Ancient Israel  
RELS 3310 Judaism at the Beginning of the Christian Era  
RELS 3431 Readings in Daoism  
RELS 3432 Confucius and Confucianism  
RELS 3600 Ancient Myth and Cult  
~~RELS 3412 Teachings of the Upanishads~~  
RELS 3411 The Ramayana

Page 137, 2015-2016 Calendar, under the heading 11.17.6 Course List,  
Table 2 Other Faculty of Arts Courses Approved for the Major or Minor  
in Law and Society, amend the table as follows:

Department of Religious Studies (cont'd)

**Table 2 Other Faculty of Arts Courses Approved for the Major or Minor in Law and Society**

1000 and 2000 Level Courses	3000 Level Courses	4000 Level Courses
Anthropology 2260, 2413 Archaeology 2492 Philosophy 2230 Political Science 2600 Sociology 2100 <u>Religious Studies 2850</u>	Philosophy 3400 Political Science 3290, 3810 Sociology 3130, 3290, 3320	Political Science 4215, 4360, 4370

Page 152, 2015-2016 Calendar, under the heading 12.1 Anthropology, amend the calendar entry as follows:

**“2350 Religious Institutions** (same as Religious Studies 2350) is a ~~comparative~~ contextual study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.”

Page 150, 2015-2016 Calendar, under the heading 11.26.2.1 Major in Religious Studies, amend the calendar as follows:

**“11.26.2.1 Major in Religious Studies**

1. A minimum of 36 credit hours in courses in Religious Studies is required. Students must complete at least one course from each of the three following groups:
    - a. ~~2013~~, 2050, 2051, 2130, 2140, 2330, 2340, 3000, 3031, 3060, 3091, ~~3150~~, 3200, 3210, 3251, ~~3265~~, 3272, 3276, 3305, 3310, ~~3315~~, ~~3320~~, 3510, 3535, 3560, ~~3594~~, 3900, 3901.
    - b. 2400, 2410, 2415, 2420, 2425, 2430, 3401, 3411, ~~3412~~, 3415, 3431, 3432.
    - c. 2610, 2810, 2811, 2812, 2820, 2830, 2850, 3058, 3640, 3650, 3680, 3800, 3810, 3811, 3812, 3820, 3830, ~~3831~~, 3840, 3860, 3880.
- ...”

Page 152, 2015-2016 Calendar, under the heading 12.1 Anthropology, amend the calendar entry as follows:

**“2350 Religious Institutions (S/A 2350)** (same as Religious Studies 2350) is a ~~comparative~~ contextual study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.

CR: Religious Studies 2350

UL: not applicable towards the Major or Minor in Anthropology”

Department of Religious Studies (cont'd)

Page 190, 2015-2016 Calendar, under the heading 12.26 Religious Studies, amend the calendar entry as follows:

**“1000 The Religions of the World** is an introduction to the basic beliefs and practices of the world's great religions.  
CR: the former RELS 2010

**2050 ~~Introduction to the~~ The Old Testament** is an introduction to the historical background, literary structure, and content of the Old Testament. Emphasis will be placed on the authorship and dating of the various texts that comprise the Old Testament, as well as on major themes, figures, and events.

**2051 ~~Introduction to the~~ The New Testament** is an introduction to the history and literary structure of the documents comprising the New Testament. Emphasis will be placed on the major themes found in these documents and on the distinctiveness of approach of the individual writers.

**2350 Religious Institutions** (same as Anthropology 2350) is a ~~comparative~~ contextual study of religious institutions and beliefs, calendrical feasts and solemnities, religious roles and hierarchies, ritual innovation and revitalization.

CR: Anthropology 2350, the former Sociology/Anthropology 2350, the former Sociology 2350

UL: not applicable towards the Major or Minor in Anthropology

**2400 ~~Introduction to Buddhism~~** ~~is a study of the history of the Buddhist tradition in India and China, the development of the main lines of Buddhist thought, and the nature of the Chinese transformation of Buddhism~~ examines the history of Buddhist traditions in Asia, with consideration of the major developments in Buddhist philosophy, institutions, and practices.

CR: the former RELS 3400

**2410 ~~Introduction to Hinduism~~** ~~involves a study of the religious thought and history of India, the literature of Hinduism, the major thinkers in Hindu philosophy, and the role of Hinduism in the culture and society of India~~ examines the history of Hindu religious traditions, their major religious texts, institutions, and practices, and their role in social, political, and cultural movements in India and in Hindu diaspora communities.

CR: the former RELS 3410

Department of Religious Studies (cont'd)

**3200 Jesus: His Life and Teaching of Nazareth** is a study of the ministry and thought of Jesus of Nazareth as contained in the Gospels  
Department of Religious Studies (cont'd)

~~and other New Testament writings. Attention will be given to the methods and conclusions of recent scholarship as applied to his principal teachings and to the study of the historical Jesus. Beginning with an assessment of the relevant source material, this course explores what can be known about the life of Jesus of Nazareth in its historical and cultural contexts.~~

**3210 Paul and His Writings** is a study of the ~~Pauline writings and an appraisal of the contribution to Christianity of his mission and theology on the basis of New Testament and other relevant material. Particular attention will be given to such related themes as salvation, reconciliation, grace, and justification~~ writings of the Apostle Paul in the New Testament, and his contribution to Christianity in the cultural and historical milieu in which he lived and was active.

**3310 Judaism at the Beginning of the Christian Era** Time of Jesus will explore the developments in Jewish thought, institutions, beliefs, and practices during the time when Greek and Jewish cultures encountered one another and in which Jesus of Nazareth lived from the Babylonian Exile of the sixth century B.C.E. to the time of Jesus, King Herod and the Roman Empire of the first century C.E.

CR: the former RELS 3220

**3880 Spirituality and the Earth Religion, Worldviews, and the Environment** is an examination of the attitudes of various religious traditions to the environment. Special attention will be paid to Native American spirituality.

~~PR: 3 credit hours in Religious Studies beyond the first year level or departmental permission~~ examines the human connection to the natural world as expressed in traditional religions, indigenous worldviews and contemporary approaches to environmental crises.”

49.22 Diploma in Geographic Information Sciences

Page 102, 2015-2016 Calendar, under the heading 7.7 Diploma in Geographic Information Sciences, amend the calendar entry to read as follows:

**“7.7 Diploma in Geographic Information Sciences**

Program Co-ordinator: Dr. A. Simms, Department of Geography

~~The Diploma in Geographic Information Sciences is of interest to students from a broad range of backgrounds. It is a valuable~~

## Diploma in Geographic Information Sciences (cont'd)

complement to social and natural sciences programs such as anthropology, biology, computer sciences, earth sciences, history, economics, engineering, health and medicine, physical oceanography, environmental sciences and environmental studies. The fields of remote sensing, geographic information systems (GIS) and cartography provide the most effective methods of gathering, managing, analysing and representing geographic information. Remote sensing images provide a resourceful information to observe and study the cultural and physical landscapes. Examples of remote sensing applications include the monitoring of spatial changes, environmental quality evaluation, natural resources exploration, assessment and monitoring, and archaeological site assessment. Geographic information systems enable the compilation, organization and processing of spatial (maps) and non-spatial (text, statistics, graphs) data. Socio-economic, political and environmental management decision-making is supported by the results of GIS analyses and modelling. Cartography involves the compilation, organization and visual representation of spatial information. A variety of geographical information can effectively be communicated through cartography.

### 7.7.1 Admission Requirements

Admission to the Diploma in Geographical Information Sciences is limited and competitive. Students are advised to notify the program co-ordinator of their intention to apply for admission into this program. Students who wish to enter this program must apply through the Office of the Registrar by April 1 for Fall semester registration and by October 15 for Winter semester registration. The formal application is available at [www.mun.ca/arts/programs/undergraduate/diplomas/](http://www.mun.ca/arts/programs/undergraduate/diplomas/) or from the Office of the Registrar.

To be considered for admission to the Diploma in Geographic Information Sciences, students will normally have completed 24 credit hours, including the courses listed in 1., 2., and 3., with an overall average of at least 65%.

1. Geography 1050 or one 1000-level course in applicant's Bachelor's Major program.
2. Mathematics 1000 or equivalent.
3. Two 1000 or 2000-level core courses in student's Bachelor's Major program, excluding the courses listed in 1. and 2. above.

Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance.

### 7.7.2 Continuation Requirements

To be considered for the field placement courses Geography 4290 and 4919, the students for the Diploma in Geographic Information Sciences will normally have completed at least seven courses required for the program, with an overall average of 65%.

### Diploma in Geographic Information Sciences (cont'd)

#### 7.7.3 Program of Study

~~Students are required to complete a minimum of 30 credit hours of courses as listed below.~~

#### **Note:**

~~The course Mathematics 2050 is a prerequisite to some of the fourth year courses required for the Diploma.~~

#### 7.7.4 Course List

Computer Science 1000	Geography 3260	Geography 4261 Geography 4290
Geography 2195	Geography 4202	Geography 4919
Geography 3202	Geography 4250	
Geography 3250		

### **7.7 Diploma in Geographic Information Sciences**

Program Coordinator: Dr. E. Simms, Department of Geography

[lambert@mun.ca](mailto:lambert@mun.ca)

<http://www.mun.ca/geog/about/>

<http://www.mun.ca/geog/undergrad/gis/>

The Diploma in Geographic Information Sciences is of interest to students from a broad range of backgrounds. It is a valuable complement to social and natural sciences programs such as anthropology, biology, computer sciences, earth sciences, history, economics, engineering, health and medicine, physical oceanography, environmental sciences, and environmental studies. The fields of remote sensing, geographic information systems (GIS), and cartography provide the most effective methods of gathering, managing, analyzing, and representing geographic information. Remote sensing images provide resourceful information to observe and study cultural and physical landscapes. Examples of remote sensing applications include the monitoring of spatial changes, environmental quality evaluation, natural resource exploration, assessment and monitoring, and archaeological site assessment. Geographic information systems enable the compilation, organization, and processing of spatial (maps) and non-spatial (text, statistics, graphs) data. Socio-economic, political, and environmental management decision-making is supported by the results of GIS analyses and modeling. Cartography involves the compilation, organization, and visual representation of spatial information. A variety of geographical information can effectively be communicated through cartography.

Diploma in Geographic Information Sciences (cont'd)

**7.7.1 Advising**

Throughout their program of study, students enrolled in a Diploma in Geographic Information Sciences shall contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here. The Coordinator shall normally communicate a tentative schedule of upcoming course offerings to students so that they can plan accordingly.

**7.7.2 Declaring**

Students wishing to declare a Diploma in Geographic Information Sciences shall consult with the Program Coordinator to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).

**7.7.3 Admission Requirements**

Admission to the Diploma in Geographical Information Sciences is limited and competitive. Students who wish to enter this program must apply through the Office of the Registrar by April 1 for Fall semester registration and by October 15 for Winter semester registration. The formal application is available at [www.mun.ca/arts/services/administration/documents/DiplomaAdmissionApril2008.pdf](http://www.mun.ca/arts/services/administration/documents/DiplomaAdmissionApril2008.pdf) or from the Office of the Registrar.

To be considered for admission to the Diploma in Geographic Information Sciences, students will normally have completed 24 credit hours, including the courses listed in 1, 2, and 3 below, with an overall average of at least 65%.

1. Geography 1050 or one 1000-level course in applicant's Bachelor's Major program.
  2. Mathematics 1000 or equivalent.
  3. Two 1000- or 2000-level core courses in the student's Bachelor's Major program, excluding the courses listed in 1 and 2 above.
- Students who fulfill the eligibility requirements compete for a limited number of available spaces. Selection is based on academic performance.

Diploma in Geographic Information Sciences (cont'd)

**7.7.4 Program of Study**

Students are required to complete a minimum of 30 credit hours of courses as listed below. All students for the Diploma in Geographical Information Sciences must complete the Field Placement course Geography 4290 and the capstone course Geography 4919.

**Course List**

<u>1000- &amp; 2000-level courses</u>	<u>3000-level courses</u>	<u>4000-level courses</u>
<ul style="list-style-type: none"> <li>• <u>Computer Science 1000</u></li> <li>• <u>Geography 2195</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Geography 3202</u></li> <li>• <u>Geography 3250</u></li> <li>• <u>Geography 3260</u></li> </ul>	<ul style="list-style-type: none"> <li>• <u>Geography 4202</u></li> <li>• <u>Geography 4250</u></li> <li>• <u>Geography 4261</u></li> <li>• <u>Geography 4290</u></li> <li>• <u>Geography 4919</u></li> </ul>

**7.7.5 Continuation Requirements**

To be considered for Geography 4290 and 4919, the students for the Diploma in Geographic Information Sciences will normally have completed at least 21 credit hours required for the program, with an overall average of 65%.”

49.23 Faculty of Engineering and Applied Science

Page 277, 2015-2016 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

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

**PR:** ENGI 7854 or permission of the instructor

**Abbreviated Course Title:** Computer Vision”



Page 260, 2015-2016 Calendar, under the heading 6.2.1 Computer Engineering Major, Table 2 Computer Engineering Major, amend the table as follows:

**Table 2 Computer Engineering Major**

Term	Required Courses	Elective Courses
<b>Engineering One</b>	<ul style="list-style-type: none"> <li>• Chemistry 1050</li> <li>• English 1080</li> <li>• ENGI 1010</li> <li>• ENGI 1020</li> <li>• ENGI 1030</li> <li>• ENGI 1040</li> <li>• Mathematics 1000</li> <li>• Mathematics 1001</li> <li>• Mathematics 2050</li> <li>• Physics 1050</li> <li>• Physics 1051</li> </ul>	Students who are expecting to complete the Engineering One requirements during the first two semesters may apply to undertake a work term during the Spring semester. In this case, the prerequisite course ENGI 200W must be completed during the Winter semester.
In addition to meeting the requirements outlined below, a student must successfully complete four Complementary Studies courses as described under <a href="#"><u>Description of Program, Complementary Studies</u></a> .		
<ul style="list-style-type: none"> <li>• <b>Fall</b></li> <li>• <b>Academic Term 3</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 3101</li> <li>• ENGI 3424</li> <li>• ENGI 3821</li> <li>• ENGI 3861</li> <li>• ENGI 3891</li> <li>• Physics</li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 200W (if not completed during Engineering One).</li> </ul>

	3000	
<b>Winter</b>	001W or 002W	
<ul style="list-style-type: none"> <li>• <b>Spring</b></li> <li>• <b>Academic Term 4</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 4424</li> <li>• ENGI 4823</li> <li>• ENGI 4854</li> <li>• ENGI 4862</li> <li>• ENGI 4892</li> </ul>	
<b>Fall</b>	001W or 002W or 003W	
<ul style="list-style-type: none"> <li>• <b>Winter</b></li> <li>• <b>Academic Term 5</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 5420</li> <li>• ENGI 5821</li> <li>• ENGI 5854</li> <li>• ENGI 5865</li> <li>• ENGI 5895</li> </ul>	
<b>Spring</b>	002W or 003W or 004W	
<ul style="list-style-type: none"> <li>• <b>Fall</b></li> <li>• <b>Academic Term 6</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 6861</li> <li>• ENGI 6871</li> <li>• ENGI 6876</li> <li>• ENGI</li> </ul>	<ul style="list-style-type: none"> <li>• 3 credit hours from: ENGI 6855 or other courses as specified by the Head of the Department of Electrical and Computer Engineering</li> </ul>

	6892	
<b>Winter</b>	003W or 004W or 005W (optional)	
<ul style="list-style-type: none"> <li>• <b>Spring</b></li> <li>• <b>Academic Term 7</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 7102</li> <li>• ENGI 7804</li> <li>• ENGI 7824</li> <li>• ENGI 7894</li> </ul>	<ul style="list-style-type: none"> <li>• 6 credit hours from: ENGI 7814, 7825, 7854, 7855, 7952, 8680, other courses as specified by the Head of the Department of Electrical and Computer Engineering</li> </ul>
<b>Fall</b>	004W or 005W (optional) or 006W (optional)	
<ul style="list-style-type: none"> <li>• <b>Winter</b></li> <li>• <b>Academic Term 8</b></li> </ul>	<ul style="list-style-type: none"> <li>• ENGI 8854</li> <li>• ENGI 8894</li> </ul>	<ul style="list-style-type: none"> <li>• One free elective which must be a 3000-level or higher Engineering course, or a 2000-level or higher course from any other academic unit. Selection of a course must be approved by the Head of the Department of Electrical and Computer Engineering.</li> <li>• 6 credit hours from: ENGI 7680, <u>8814</u>, 8821, 8826, 8863, 8868, 8879, 8801-8805, or other courses as specified by the Head of the Department of Electrical and Computer Engineering</li> </ul>

Page 279, 2015-2016 Calendar, under the heading 11.9 Special Topics Courses, amend the calendar entry as follows:

“~~8814~~ 8815 -8820 **Special Topics in Computer Engineering** will have topics to be studied announced by the Faculty.”

Page 272, 2015-2016 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

Faculty of Engineering and Applied Science (cont'd)

**“5602 Process Heat Transfer** is a study of concepts involved in heat transfer. Topics include applications of continuity and energy equations, fundamentals of heat transfer, modes of heat transfer, conduction, convection and radiation heat transfer, boiling and condensation, evaporation, and heat exchanger analysis and design.

LH: at least one 3-hour session per semester

CR: ENGI 6901

PR: ENGI-4901, 4602, ENGI 4961”

Page 277, 2015-2016 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

**“8911 Corrosion and Corrosion Control** examines forms of corrosion; the electrochemical nature of the corrosion process; the mixed potential theory, Pourbaix diagrams and Evans diagrams; corrosion testing, control use by use of materials, selection, cathodic protection, inhibitors, and coatings. There are case studies of selected corrosion problems.

CR: the former ENGI 8962

LH: at least five 3-hour sessions per semester

PR: ~~ENGI 7911~~”

Page 254, 2015-2016 Calendar, under the heading 4.1 Program of Study, amend the calendar entry as follows:

**4.1 Program of Study**

...

9. A student who has previously met a technical elective requirement in a given semester or wishes to defer it, may request an exemption or deferral by applying to ~~the Associate Dean (Undergraduate Studies), who will consult~~ the Head of the appropriate Department. A minimum grade of 60% is required for credit to be given towards a student's engineering program for any technical elective taken outside the normal blocks as shown in the tables.

10. A minimum grade of 60% is required for credit to be given towards a student's engineering program for any course beyond Engineering One that is taken outside the normal blocks as shown in the tables.

Faculty of Engineering and Applied Science (cont'd)

11. Transfer credit cannot be awarded for project or design courses in Academic Terms 7 or 8 of the Engineering program.

~~10.~~ 12. Students registered in Academic Term 7 of any Engineering major are eligible to apply for admission to a **Master of Engineering** fast-track option (M.Eng.). The purpose of the option is to encourage students interested in pursuing graduate studies to begin their graduate program while still registered as an undergraduate student. While enrolled in the option, a student may complete some of the M.Eng. Degree requirements and potentially be able to graduate earlier from the M.Eng. Program. For further details and the regulations regarding the option, refer to the **School of Graduate Studies, Regulations Governing the Degree of Master of Engineering.**”

49.24 School of Music

Page 416, 2015-2016 Calendar, under the heading 6.1 Program Regulations, amend the calendar entry as follows:

**“6.1 Program Regulations**

1. Students admitted to the Bachelor of Music program may register for a maximum of ~~47~~ 18 credit hours per semester without written permission from the Dean.  
...”

Page 417, 2015-2016 Calendar, under the heading 6.4 Comprehensive Major, amend the calendar entry as follows:

**“6.4 Comprehensive Major**

To be awarded the degree of Bachelor of Music with a Comprehensive Major, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including 55 credit hours in the **Core Program**. The remaining 68 credit hours will be chosen as follows:

...

~~3. Eight credit hours chosen from:~~

~~Music 3221, 3222, 3231, 3232, 3233, 3241, 3242, 3261, 3281, 3282.~~

3. Four credit hours of instrumental techniques courses, chosen as follows:

a. Music 3221 OR Music 3222

School of Music (cont'd)

b. One of: Music 3231, Music 3232, Music 3233

c. Music 3241 OR Music 3242

d. Music 3281 OR Music 3282

...

5. ~~Fifteen~~ Nineteen additional credit hours chosen from Music courses beyond the 1000 level including:

..."

Page 415, 2015-2016 Calendar, under the heading 5.3 Admission/Readmission Requirements to the Bachelor of Music Degree Program, amend the calendar entry as follows:

**"5.3 Admission/Readmission Requirements to the Bachelor of Music Degree Program**

...

2. All applicants are also required to take the following admission and placement tests:

...

c. Piano Proficiency Test: ~~Piano proficiency is a graduation requirement. Students are expected to meet this requirement within the first year of their program. Applicants whose level of attainment is not acceptable to the School will be required to repeat and pass the Piano Proficiency Test prior to registering for Music 2401. This test assesses students' basic keyboard skills. Successful completion of the test is a prerequisite to required second-year core program courses.~~ Students are advised to contact the School of Music regarding scheduling of the test and for information about private remedial piano instruction.

..."

Page 424, 2015-2016 Calendar, under the heading 13.3 Music Theory and Composition Courses, amend the calendar entry as follows:

**"2107 Materials and Techniques of Music III** is a study of chromatic harmony with emphasis on both writing and analysis. Introduction to sonata form.

CR: the former MUS 210A, the former MUS 2113

PR: MUS 1108 and successful completion of the piano proficiency test.

**2117 Aural Skills III** is a continuation of MUS 1118.

CH: 1

LC: 2

PR: MUS 1108, 1118, and successful completion of the piano proficiency test."

School of Music (cont'd)

Page 414, 2015-2016 Calendar, under the heading 5.1 General Information, amend the calendar entry as follows:

**“5.1 General Information**

1. Entry to the School of Music is competitive and by audition only.
2. Admission or readmission to the University does not necessarily constitute admission or readmission to any program.
3. As part of the regular admissions quota, one seat per year is available in the Bachelor of Music program for applicants of First Nations/Aboriginal ancestry who have met the minimum academic and performance requirements for admission to the program. Applicants must provide documentation of First Nations/Aboriginal ancestry. Applicants may also, if they wish, submit a letter of request at the time of application.”

Page 416, 2015-2016 Calendar, under the heading 5.3.1.4 Musicologies, amend the calendar entry as follows:

**“5.3.1.4 Musicologies**

Candidates for this Major must apply in writing to the Dean by February 15th in the semester during which they are registered for Music 2006, submitting up to three pieces of relevant work by the end of classes in that semester, including essays or analyses written either in the context of academic course work or independently. Candidates will be interviewed by a panel of faculty in this discipline. Admission to this Major will be based on the candidate's: 1) submitted work, 2) interview, 3) achievement in Music 1005, 1006, 2005, 2006 and any electives in musicologies, as well as English, ~~and research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses, 4) general academic achievement, and 5) potential for a career and/or graduate work in musicology, ethnomusicology, journalism or a related field.”

Page 417, 2015-2016 Calendar, under the heading 6.3 Composition Major, amend the calendar entry as follows:

**“6.3 Composition Major**

To be awarded the degree of Bachelor of Music in Composition, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including 55 credit hours in the **Core Program**. The remaining 68 credit hours will be chosen as follows:

School of Music (cont'd)

...

5. Twenty-four credit hours chosen from disciplines other than Music and Music Education, including at least 6 credit hours from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses.”

Page 417, 2015-2016 Calendar, under the heading 6.4 Comprehensive Major, amend the calendar entry as follows:

**“6.4 Comprehensive Major**

To be awarded the degree of Bachelor of Music with a Comprehensive Major, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including 55 credit hours in the **Core Program**. The remaining 68 credit hours will be chosen as follows:

...

6. Twenty-four credit hours from disciplines other than Music and Music Education, including at least 6 credit hours from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses. Students in the Comprehensive Major are encouraged to take at least 18 credit hours in a second teachable subject.”

Page 417, 2015-2016 Calendar, under the heading 6.5.1 Option A (With Minor), amend the calendar entry as follows:

**“6.5.1 Option A (With Minor)**

...

2. Six credit hours chosen from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses.

...”

Page 418, 2015-2016 Calendar, under the heading 6.5.2 Option B (No Minor), amend the calendar entry as follows:

**“6.5.2 Option B (No Minor)**

...

2. Twenty-four credit hours from disciplines other than Music and Music Education, including at least 6 credit hours from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses.”



School of Music (cont'd)

Page 418, 2015-2016 Calendar, under the heading 6.6 Musicologies Major, amend the calendar entry as follows:

**“6.6 Musicologies Major**

To be awarded the degree of Bachelor of Music in Musicologies, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including 55 credit hours in the **Core Program**. The remaining 68 credit hours will be chosen as follows:

...

6. Twenty-four credit hours chosen from disciplines other than Music and Music Education, including at least 6 credit hours from courses in English, ~~and/or designated research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses, and at least 6-credit hours in a language or languages other than English.”

Page 417, 2015-2016 Calendar, under the heading 6.7 Performance Major, amend the calendar entry as follows:

**“6.7 Performance Major**

To be awarded the degree of Bachelor of Music in Performance, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including 55 credit hours in the **Core Program**. The remaining 68 credit hours will be chosen as follows:

...

5. Twenty-four credit hours chosen from disciplines other than Music and Music Education, including at least 6 credit hours from courses in English, ~~and/or designated research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses. Students whose Principal Applied Study is Voice must include at least 3 credit hours in each of Italian, German and French.”

Page 418, 2015-2016 Calendar, under the heading 6.8 Joint Major in Performance and Musicologies, amend the calendar entry as follows:

**“6.8 Joint Major in Performance and Musicologies**

To be awarded the degree of Bachelor of Music with a Joint Major in Performance and Musicologies, a candidate shall comply with the School's regulations, and successfully complete a minimum of 127 credit hours, including 55 credit hours in the **Core Program**. The remaining 72 credit hours will be chosen as follows:

School of Music (cont'd)

...

7. Thirty credit hours chosen from disciplines other than Music, including:

a. At least 6 credit hours chosen from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses.

..."

Page 419, 2015-2016 Calendar, under the heading 6.9 Major in Performance with a Minor in Composition, amend the calendar entry as follows:

**"6.9 Major in Performance with a Minor in Composition**

To be awarded the degree of Bachelor of Music with a Major in Performance and a Minor in Composition, a candidate shall comply with the School's regulations, and successfully complete a minimum of 124 credit hours, including 55 credit hours in the **Core Program**. The remaining 69 credit hours will be chosen as follows:

...

7. Twenty-four credit hours chosen from disciplines other than Music or Music Education, including at least 6 credit hours chosen from courses in English, ~~and/or~~ designated ~~research/writing~~ Critical Reading and Writing (CRW) courses, and/or former Research/Writing (R/W) courses. Students whose Principal Applied Study is Voice must include at least 3 credit hours in each of Italian, German, and French."

Page 416, 2015-2016 Calendar, under the heading 6.1 Program Regulations, amend the calendar entry to read as follows:

**"6.1 Program Regulations**

...

4. The following Music courses may not be counted toward the Bachelor of Music degree: Music ~~4446~~, 1105, 1106, 1120, 2011, 2012, 2013 and 2014."

Page 420, 2015-2016 Calendar, under the heading 8.1 Interdisciplinary Minor in Music and Culture, amend the calendar entry as follows:

**"8.1 Interdisciplinary Minor in Music and Culture**

1. This Minor is available to students in the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Commerce (Cooperative), Bachelor of Recreation, Bachelor of Recreation (Honours), Bachelor of Recreation (Cooperative), and

School of Music (cont'd)

Bachelor of Recreation (Cooperative) (Honours). The Minor in Music and Culture is not applicable to the Bachelor of Music degree.

2. Students shall complete ~~25~~ 24 credit hours for the Minor in Music and Culture, as follows:

- a. Music 1120, Music 1106, or Music 1107
  - ~~b. Music 1116 or Music 1117~~
  - c. Music 4040 or Folklore 4440
  - d. Music 2012 or 2013
  - e. One of Music 2011, 2014, Music 3017 or Folklore 3200, Music 3018 or Folklore 3618
  - f. One of Music 3014, 3015, 3016 and 3019
  - g. One of Music 2021, 2022, and 2023
  - h. Two additional courses chosen from Music 1108 or the courses listed in d., e., f., or g. above.
3. Please note that most Music courses are not offered every semester, and some are offered only in alternate years.”

Page 421, 2015-2016 Calendar, under the heading 12 Music Courses Available to Students not Enrolled in a Program Offered by the School, amend the calendar entry as follows:

**“12 Music Courses Available to Students not Enrolled in a Program Offered by the School**

1. The following Music courses are available to students who have not been admitted to a program in the School of Music, and are appropriate for students with little or no musical background:

~~Music 1116 Basic Musicianship (1 credit hour)~~

Music 1105 Elements of Music I (3 credit hours)

Music 1106 Elements of Music II (3 credit hours)

Music 1120 Rudiments 1 (3 credit hours)

Music 2011 North American Popular Music (3 credit hours) Music

2012 Understanding Classical Music (3 credit hours) Music 2013

Twentieth-Century Musicals (3 credit hours) Music 2014 Introduction to World Music (3 credit hours)

...”

Page 424, 2015-2016 Calendar, under the heading 13.3 Music Theory and Composition Courses, amend the calendar entry as follows:

**“13.3 Music Theory and Composition Courses**

**1105 Elements of Music I** is an introductory music theory and aural skills course focusing on reading, writing, and hearing basic and intermediate music rudiments that are associated with common practice Western art music. Topics include: pitch and rhythm, intervals, scales,

School of Music (cont'd)

chords, keys, time signatures, and musical terms. Emphasis will be placed upon the aural comprehension of all pertinent topics.

CR: MUS 1120

PR: MUS 1105 or permission of the instructor

**1106 Elements of Music II** is a continuation of Elements of Music I. This course will focus on advanced rudiments and basic harmony with an emphasis on the aural comprehension of all pertinent topics.

CR: MUS 1120

PR: MUS 1105 or permission of the instructor

**1107 Materials and Techniques of Music I** is the study of the basic materials of tonal music; introduction to melody writing and phrase structures; introduction to voice leading with emphasis on chorale style; analysis and composition of smaller formal elements.

CO: MUS 1117

CR: the former MUS 110A, the former MUS 1113

PR: ~~MUS 1120 with a minimum grade of 75%~~ MUS 1106 or successful completion of the Theory Placement Test.

~~**1116 Basic Musicianship** is an introduction to sightsinging and dictation for students whose level of preparation is not adequate for MUS 1117.~~

~~CH: 1~~

~~CO: MUS 1120 or equivalent~~

~~LC: 2~~

~~UL: not applicable to the Bachelor of Music degree.~~

**1117 Aural Skills I** is a course on sightsinging and dictation. CH: 1

CO: MUS 1107

LC: 2

PR: ~~a minimum grade of 75% in MUS 1116~~ MUS 1106 or successful completion of the Theory Placement Test.

**1120 Rudiments I** is an introductory course in music rudiments and theory. ~~Development of aural skills is emphasized, including basic aural skills.~~

UL: not applicable to the Bachelor of Music degree.”

Page 425, 2015-2016 Calendar, under the heading 13.4 Musicologies Courses, amend the calendar entry as follows:

**“13.4 Musicologies Courses**

**1005 Thinking and Writing About Music I** is designed to develop listening, critical thinking, research and writing skills through selected

School of Music (cont'd)

cross-cultural topics and themes exploring the relationship between music and society. The course will introduce the student to the terminology of music history and the concepts of genre, musical style and style periods. This course has strong listening and writing components.

CR: MUS 2012, the former MUS 1002

PR: MUS 1120 or MUS 1106 or successful completion of theory placement test or admission to the Bachelor of Music degree program. The ability to read music is required.

**3014 World Music: Musics of Asia and Oceania** is an examination of musical theory, genres, instruments, aesthetics, and functions of music in Asia and Oceania, including the classical music of the Indian subcontinent, ritual musics of East Asia, gong-chime ensembles of Southeast Asia, and traditional musics of Polynesia and Australia. This course has a strong listening component.

PR: MUS 1120 with a minimum mark of 75% or MUS 1106 or equivalent ~~and~~ AND completion of at least 24 credit hours of university course work.

**3015 World Music: Music of Africa and the Americas** is an examination of musical theory, genres, instruments, aesthetics, and functions of music in Africa and the Americas, including traditional African musics, neo-African musics of the Americas, Native American musics, and traditional South American musics. This course has a strong listening component.

PR: MUS 1120 with a minimum mark of 75% or MUS 1106 or equivalent ~~and~~ AND completion of at least 24 credit hours of university course work

**3016 Canadian Musical Traditions** is a survey of musical streams in Canadian music history from colonial times to the present, including indigenous and transplanted musical traditions, and Canadian art music. This course has a strong listening component.

PR: MUS 1120 with a minimum mark of 75% or MUS 1106 or equivalent ~~and~~ AND completion of at least 24 credit hours of university course work

**3019 Popular Music Studies** will explore a number of genres in the historical development of world popular music and dance, along some of the following themes: the roles of race, class, gender, sexuality, age, and ability in popular music production and reception; processes and effects of mass media and technology in shaping genres and consumers' experience of them; and cross-cultural influences within and across national borders.

School of Music (cont'd)

PR: MUS 1120 with a minimum mark of 75% or MUS 1106 or equivalent ~~and~~ AND completion of at least 24 credit hours of university course work”

Page 235, 2015-2016 Calendar, under the heading 9.6.1 Bachelor of Education (Primary/Elementary) as a First Degree, French Immersion Option, in Table 9 Focus Areas for Bachelor of Education (Primary/Elementary) as a First Degree, amend the Music block as follows:

**“Music (18 credit hours)**

Music 1106 or 1120

3 credit hours chosen from Music 2011, 2012, 2013, 2014

3 credit hours chosen from Music 2021, 2022, 2023, 2611, 2612, 2613, 2614, 2619 (admission to 2612, 2613 and 2619 is by audition only)

6 credit hours chosen from Music 3014, 3015, 3016, 3017, 3018, 3019, 4040

3 additional credit hours from the courses in 2nd and 4th clauses above”

49.25 Department of Archaeology

Page 154, 2015-2016 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

**“12.2 Archaeology**

1005 Critical Reading and Writing in Aboriginal and Indigenous Studies features the analysis of scholarly literature, media, and other sources of knowledge related to Aboriginal and Indigenous studies. Students practice analytical reading and writing through class discussion and assignments related to the study of both past and present. All sections of this course follow CRW guidelines available at [www.mun.ca/arts/crw](http://www.mun.ca/arts/crw).

**Abbreviated Course Title:** 1005 CRW Aborig. & Indig. Studies”

49.26 Department of French and Spanish

Page 131, 2015-2016 Calendar, under the heading 11.12.11.2 Spanish Major Program, amend the calendar entry as follows:

**“11.12.11.2 Spanish Major Program**

A Major in Spanish consists of a minimum of 36 credit hours in Spanish chosen from the courses listed under the **Spanish Course Descriptions**.

Department of French and Spanish (cont'd)

No more than 9 transfer credit hours may be used to fulfill the minimum requirements of the Major in Spanish.

Students who have spent an extended period of time studying Spanish in a Spanish-speaking milieu may discuss with the Head of the Department the suitability of seeking permission from the Committee on Undergraduate Studies to transfer up to a maximum of 3 additional credit hours.”

Page 131, 2015-2016 Calendar, under the heading 11.12.11.3 Spanish Minor Program, amend the calendar entry as follows:

**“11.12.11.3 Spanish Minor Program**

A Minor in Spanish consists of a minimum of 24 credit hours in Spanish from the courses listed ~~below~~ under the **Spanish Course Descriptions**.

No more than 6 transfer credit hours may be used to fulfill the minimum requirements for a minor in Spanish.”

Page 167, 2015-2016 Calendar, under the heading 12.10 French, amend the calendar entry as follows:

**“12.10 French**

~~4820-4810-4829~~ **Special topics in French-language Literature** are advanced courses on specialized topics in literature written in French. Subjects to be treated will be announced each year by the Department.”

49.27 Police Studies

Page 144, 2015-2016 Calendar, under the heading 11.23.5 Recognition of Qualifications for Experienced Officers, amend the calendar entry as follows:

**“11.23.5 Recognition of Qualifications for Experienced Officers**

~~Subject to the prior approval of the Program Coordinator, individuals who have completed a recognized Canadian police cadet training program and experienced police officers who have completed eligible qualifications through recognized post-secondary institutions may be eligible to receive credit at the undergraduate level that may, in turn, be used towards meeting the requirements for the Major in Police Studies. An Application for Transfer Credit Evaluation, including official documentation confirming program completion, must be submitted to~~

Police Studies (cont'd)

~~the Office of the Registrar to have training assessed and recognized for transfer credit. The Application may be obtained at [www.mun.ca/regoff/admission/Transfer\\_Credit\\_Evaluation\\_2013.pdf](http://www.mun.ca/regoff/admission/Transfer_Credit_Evaluation_2013.pdf) or in person at the Office of the Registrar.~~

Subject to the prior approval of the Program Coordinator, certain programs and courses offered by recognized police or other criminal justice training programs may be eligible for credit hours that are applicable towards the Bachelor of Arts, Police Studies. Graduates of the Atlantic Police Academy (APA) Police Sciences Technology Program, Holland College, Prince Edward Island; the RCMP Depot Division Cadet Training Program; or the pre-APA program offered through the Royal Newfoundland Constabulary (RNC) for cadet training may be awarded up to 30 PLAR credit hours at an unspecified level in the Police Studies (PLST) subject area. Qualifications from other recognized police or other criminal justice training programs will be assessed on an individual basis by the Coordinator of Police Studies based on the topics covered and the number of hours involved, and will be subject to the approval of the Committee on Undergraduate Studies. Normally, the Committee will prioritize programs and courses that feature evaluation of student knowledge; workshops and professional development modules that do not involve evaluation are not eligible. Applicants with five or more years of professional criminal justice experience may request credit for PLST 2000 or PLST 2200 as part of their maximum 30 credit hours. An Application for Transfer Credit Evaluation, including official documentation confirming program completion or professional experience, must be submitted to the Office of the Registrar to have training assessed and recognized for transfer credit. The Application may be obtained from the forms link on the Registrar's home page or in-person at the Registrar's Office (A2003).

Unspecified Police Studies credit hours may only be used towards the Bachelor of Arts, Major in Police Studies program to meet up to 12 of the 21 elective credit hours required for the Major as outlined below. Any remaining unspecified credit hours in the Police Studies subject area may be used in part to satisfy the Arts Elective requirements for the Bachelor of Arts. In the case of programs where there are established course transfer credits, the student will be awarded transfer credit for the appropriate courses. Any remaining credit hours will be awarded as unspecified credit hours in the Police Studies subject area.

Students applying credit allowances described above must adhere to the following program requirements:

1. A Major in Police Studies consists of all the general requirements of the Bachelor of Arts program, including a minimum of 36 credit hours



Police Studies (cont'd)

in courses selected from Table 1 Core Faculty of Arts Courses for the Major in Police Studies as follows:

- a. courses from a minimum of any three Arts disciplines, with no more than 15 credit hours in any one Arts discipline other than Police Studies;
- b. 15 credit hours in Police Studies courses, including PLST 2000, at least one of 3000 or 3500, and at least one of 4000 or 4001;
- c. a maximum of 12 credit hours of unspecified Police Studies credit hours;
- d. a minimum of 6 additional credit hours at the 3000-level or above in two different disciplines other than Police Studies chosen from Table 1 Core Faculty of Arts Courses for the Major in Police Studies;
- e. 3 additional credit hours, at the 4000-level, chosen from Table 1 Core Faculty of Arts Courses for the Major in Police Studies and/or Table 2 Other Faculty of Arts Courses for the Major in Police Studies.

2. Any remaining unspecified credit hours in the Police Studies subject area may be used in part to satisfy the Arts Elective requirements for the Bachelor of Arts provided students remain enrolled in the PLST Major program.

3. As per the General Regulations for Interdisciplinary Major and Minor Programs, students completing a Major in Police Studies must also choose a single-discipline Minor or a single-discipline Major.”

Page 103, 2015-2016 Calendar, under the heading 7.9 Diploma in Police Studies, amend the calendar entry as follows:

**“7.9 Diploma in Police Studies**

<http://www.mun.ca/plst>

Program Coordinator: Dr. A. Hall, Department of Sociology

The Diploma Program in Police Studies is offered exclusively to students who are recruit cadets of the Royal Newfoundland Constabulary (RNC). The program provides recruit cadets with academic ~~and experiential learning~~ components of a degree program relevant to their future work as police officers.

Police Studies course descriptions are found at the end of the Faculty of Arts section under Course Descriptions, Police Studies and are designated by PLST.

## Police Studies (cont'd)

### 7.9.1 Advising

Throughout their program of study, students taking the Diploma in Police Studies shall contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here. The Coordinator shall normally communicate a tentative schedule of upcoming course offerings to students so that they can plan accordingly.

### 7.9.2 Declaring

Students cannot self-declare this program. Each year the Office of the Registrar is provided with a listing of students accepted into the RNC cadet training program and identifies them as admitted into the Diploma in Police Studies program.

### 7.9.1 7.9.3 Admission Requirements

Students wishing to complete the Diploma in Police Studies should consult with the Academic Planning Manager. Information about diploma programs offered by the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/diplomas/](http://www.mun.ca/arts/programs/undergraduate/diplomas/).

Admission to the Diploma program is limited and competitive. Applicants to the Diploma program must have been accepted as recruit cadets of the Royal Newfoundland Constabulary and satisfy UNIVERSITY REGULATIONS - Admission/Readmission to the University (Undergraduate). In addition, at the time of admission, applicants must have completed either a university degree in any discipline from a recognized university, or have completed at a post-secondary institution, the equivalent of 15 credit hours, which should normally include 6 credit hours in English and/or Critical Reading and Writing (CRW) courses, 6 credit hours in Psychology, and 3 credit hours in Sociology. Applicants who complete courses at this university are strongly encouraged to complete Political Science 1001 (Critical Reading and Writing: Politics and Governance) as part of their CRW credit hours.

### 7.9.2 Continuation Requirements

~~Students dismissed as recruit cadets by the Royal Newfoundland Constabulary will be required to withdraw from the Diploma in Police Studies.~~

## Police Studies (cont'd)

### 7.9.3 7.9.4 Program of Study

1. Following admission to the Diploma program and until completion of all Diploma program requirements, students must ~~normally carry~~ be enrolled in a full course load of 15 credit hours in each of the Fall and Winter semesters.

2. With approval from the appropriate department(s), cadet candidates may be deemed to have met some or all of the program prerequisites. In these situations, prerequisite waivers be approved prior to a student's enrollment in the Diploma in Police Studies program. Any such prerequisite waiver will only be applicable to the Diploma in Police Studies program and in the Cadet class for which the candidate is applying. Waiver approvals are not an indication of approval for transfer credit. A student may apply for transfer credit through the Office of the Registrar.

23. Students must complete a total of ~~36~~ 30 credit hours as outlined in under the Diploma in Police Studies Program Requirements table below. Table 1 Required Courses for the Diploma in Police Studies. By virtue of admission to the program with prior university experience, students are expected to be prepared to complete courses in Police Studies, Political Science, Psychology, and Sociology at the 2000-level and higher. A student who completed a Table 1 course prior to admission to the Diploma in Police Studies and obtained a final grade lower than ~~B~~ 60% is strongly encouraged to retake that course.

### Diploma in Police Studies Program Requirements

<u>Required Courses</u>	<u>Alternate Courses</u>
Police Studies 2000	Anthropology 2260,
Police Studies 3000	Anthropology 2414,
Police Studies 3500	Anthropology 3240
Police Studies 5000	Archaeology 2492
Political Science 3620 or the	English 2160
former Political Science	Gender Studies 1000, Gender
3521	Studies 2005
Psychology 2150	Geography 2495
Psychology 3640	History 3560, History 3813
Sociology 3290	Law and Society 2000
Sociology 3306	the former Philosophy 2802, the
Sociology 3395	former Philosophy 2810
Sociology 4212	Police Studies 2200, Police
	Studies 3100, Police Studies 4000,

	<del>Police Studies 4001</del> <del>Political Science 3681 or the former Political Science 3791,</del> <del>Political Science 3820</del> <del>Psychology 2100 or</del> <del>Psychology 2120,</del> <del>Psychology 2800</del> <del>Religious Studies 1000, Religious Studies 2610, Religious Studies 3650</del> <del>Sociology 2270, Sociology 3130, Sociology 4095, Sociology 4210</del>
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**Table 1 Required Courses for the Diploma in Police Studies**

<b><u>Fall Semester</u></b> <b><u>(15 credit hours)</u></b>	<b><u>Winter Semester</u></b> <b><u>(15 credit hours)</u></b>
<u>Police Studies 2000, 3000</u> <u>Political Science 3620</u> <u>Psychology 2150</u> <u>Sociology 3290</u>	<u>Police Studies 3500</u> <u>Psychology 3640</u> <u>Sociology 3306, 3395, 4212</u>

2. In order to maintain a full course load (15 credit hours), students who completed a required Table 1 course with a B or higher grade prior to admission to the Diploma program will normally substitute an alternate course selected from Table 2 Approved Alternate Courses for the Diploma in Police Studies. For these students only, a Table 1 course at the 2000 level or below may be substituted with a Table 2 course at the 2000 level or below, and a Table 1 course at the 3000 level or above may be substituted with a Table 2 course at the 3000 level or above. Table 2 alternate courses have a Calendar entry that clearly establishes an emphasis on the study of policing, law, crime and/or violence, normally in the context of modern day Canadian society. Other Humanities and Social Science courses whose Calendar entry clearly pertains to these subject areas and/or social diversity may be eligible. Students should speak with the Program Coordinator for information.

**Table 2 Approved Alternate Courses for the Diploma in Police Studies**

<u>Anthropology 2260</u> <u>Archaeology 2492</u> <u>History 3560</u> <u>Law and Society 1000, 2000, 3012, 3014, 3015, 3016, 3300, 3400, 4000</u> <u>Philosophy 2400</u> <u>Police Studies 2200, 3100, 4000, 4001</u>
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<u>Political Science 3820, 4360</u> <u>Psychology 2800</u> <u>Sociology 2300, 3130, 3320, 4080, 4210</u>
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#### 7.9.2 7.9.4 Continuation Requirements

Students dismissed as recruit cadets by the Royal Newfoundland Constabulary will be automatically dropped from the Diploma in Police Studies program.

Eligible credit hours completed as part of the Diploma in Police Studies program may be used towards other Arts programs, including the Major in Police Studies, provided that they are in accordance with the regulations governing the program.

#### 7.9.5 Graduation Requirements

To be eligible for awarding of the Diploma in Police Studies students must meet the graduation requirements as outlined in FACULTY OF ARTS - Diploma Programs Offered in the Faculty of Arts (Graduation Requirements)."

Page 187, 2015-2016 Calendar, under the heading 12.23 Police Studies, amend the calendar entry as follows:

#### **"12.23 Police Studies**

**3000 Crime Victims and Policing** will provide an opportunity to explore contemporary victim issues, in particular, as they relate to enhancing police response and sensitivity to the needs of victims. The course will explore different types of victimization, encourage critical analysis and understanding of the impact of the CJS on victims and the role of the victim in bringing about progressive and positive changes in the CJS. It will consider recent legislative developments, programs, services and emerging issues and discuss how victim engagement can promote public confidence in the administration of justice.

~~PR: a minimum of 60 credit hours, including PLST 2000 and 6 additional credit hours from Table 1 Core Faculty of Arts Courses for the Major in Police Studies under Police Studies~~

PR: Police Studies 2000

**3100 Gender, Crime and Criminal Justice** examines the gendered aspects of criminal offending, victimization, criminal justice responses (police, courts, corrections), and workers in the criminal justice system.

~~PR: a minimum of 60 credit hours including PLST 2000 and Sociology 1000~~

PR: Police Studies 2000

Police Studies (cont'd)

**3500 Investigative Interviewing** 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.

~~PR: completion of a minimum of 60 credit hours~~

PR: Police Studies 2000

**4000 Advanced Issues in Policing** provides in depth discussion of various aspects of policing. It will discuss how social, economic and political factors influence the challenges of policing in a democratic society. It will look at police powers of arrest, search and release and how they are affected by the Charter of Rights and Freedoms. The different types of offences found in the Criminal Code and the special knowledge required to police them will be covered. The course will consider the use of police discretion, police misconduct and accountability and ethics in policing. It will also look at officer safety and stress in the work place. Several special topics related to policing will be discussed including: policing persons with mental illness, policing drug related offences, and policing racially diverse communities.

~~PR: a minimum of 60 credit hours, including PLST 2000 and 9 additional credit hours from Table 1 Core Faculty of Arts Courses for the Major in Police Studies under Police Studies~~

PR: Police Studies 2000 and 3 credit hours at the 3000-level in Police Studies

**4001 Police Decision Making and Ethics** 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.

~~PR: a minimum of 60 credit hours, including PLST 2000 and 9 additional credit hours from Table 1 Core Faculty of Arts Courses for the Major in Police Studies under Police Studies~~

PR: Police Studies 2000 and 3 credit hours at the 3000-level in Police Studies

**4100-4110 Special Topics** will cover special topics related to policing and will be announced by the Program Coordinator.

PR: Police Studies 2000 and 3 credit hours at the 3000-level in Police Studies

## Police Studies (cont'd)

~~**5000 Instructional Field Placement in Police Studies** is a one-semester course offered in the Spring semester, following completion of ten courses specified for the Diploma Program in Police Studies, designed to integrate knowledge acquired in coursework with the training curriculum provided by the Royal Newfoundland Constabulary to its recruit cadets. In consultation with the course instructor, students will prepare and submit a reflective report linking their observation of and instruction in the practical techniques and methods of police work with the broad range of knowledge acquired in other courses taken in the diploma program.~~

~~CH: 6~~

~~CO: completion of two semesters of course work in the Diploma Program in Police Studies, admission to the Diploma Program in Police Studies, and good standing as a recruit cadet of the Royal Newfoundland Constabulary~~

~~PR: completion of two semesters of course work in the Diploma Program in Police Studies, admission to the Diploma Program in Police Studies, and good standing as a recruit cadet of the Royal Newfoundland Constabulary~~

~~UL: applicable to the Diploma Program in Police Studies only"~~

## 49.28 Department of Computer Science

Page 113, 2015-2016 Calendar, under the heading 11.6 Computer Science, amend the calendar entry as follows:

### **"11.6 Computer Science**

For Departmental Regulations and Course Descriptions, see **Faculty of Science section of the Calendar**. The following undergraduate programs are available in the Department of Computer Science:  
[www.mun.ca/computerscience](http://www.mun.ca/computerscience)

1. Applied Mathematics and Computer Science Joint Major (B.Sc. only)
- ~~2-15.~~ Computer Internship Option (CIIO)
- ~~3-11.~~ Computer Science Honours (B.A., B.Sc.)
- ~~4-2.~~ Computer Science and Economics Joint Major (B.Sc. & only)
- ~~5-3.~~ Computer Science and Geography Joint Honours (B.Sc. only)
- ~~6-4.~~ Computer Science and Geography Joint Major (B.Sc. only)
- ~~7-5.~~ Computer Science and Physics Joint Honours
- ~~8-6.~~ Computer Science and Physics Joint Major
- ~~9-7.~~ Computer Science and Pure Mathematics Joint Honours (B.Sc. only)
- ~~10-8.~~ Computer Science and Pure Mathematics Joint Major (B.Sc. only)

Department of Computer Science (cont'd)

- ~~11-9.~~ Computer Science and Statistics Joint Honours
- ~~12-10.~~ Computer Science and Statistics Joint Major (B.Sc. only)
- ~~13-13.~~ Computer Science (Software Engineering) Honours (B.Sc. only)
- ~~14-12.~~ Major in Computer Science (B.A., B.Sc.)
- ~~15-14.~~ Minor in Computer Science (B.A., B.Sc.)”

Page 492, 2015-2016 Calendar, under the heading 9.4 Computer Science, amend the calendar entries as follows:

**“9.4 Computer Science**

[www.mun.ca/computerscience](http://www.mun.ca/computerscience)

The following undergraduate programs are available in the Department:

1. Applied Mathematics and Computer Science Joint Major (B.Sc. only)
- ~~2. Computer Internship Option (CIO)~~
- ~~3. Computer Science Honours (B.A., B.Sc.)~~
- ~~2 4.~~ Computer Science and Economics Joint Major (B.Sc. ~~only~~)
- ~~3 5.~~ Computer Science and Geography Joint Honours (B.Sc. only)
- ~~4 6.~~ Computer Science and Geography Joint Major (B.Sc. only)
- ~~5 7.~~ Computer Science and Physics Joint Honours
- ~~6 8.~~ Computer Science and Physics Joint Major
- ~~7 9.~~ Computer Science and Pure Mathematics Joint Honours (B.Sc. only)
- ~~8 10.~~ Computer Science and Pure Mathematics Joint Major (B.Sc. only)
- ~~9 11.~~ Computer Science and Statistics Joint Honours
- ~~10 12.~~ Computer Science and Statistics Joint Major (B.Sc. only)
11. Computer Science Honours (B.A., B.Sc.)
- 12 14. Major in Computer Science (B.A., B.Sc.)
13. Computer Science (Software Engineering) Honours (B.Sc. only)
14. Computer Internship Option (CIO)
15. Minor in Computer Science (B.A., B.Sc.)

Details of our joint program offerings in the Faculties of Arts and Science may be found under the heading **Joint Programs** following the heading **Regulations for the Honours Degree of Bachelor of Science**.

Computer Science course descriptions are found at the end of the Faculty of Science section under **Course Descriptions, Computer Science**.



Department of Computer Science (cont'd)

**9.4.1 Major in Computer Science**

See **Regulations for the General Degree of Bachelor of Arts or Regulations for the General Degree of Bachelor of Science** (as appropriate)

1. Forty-five credit hours in Computer Science courses are required for a major in Computer Science:
  - a. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, and 4770.~~ 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, and 2008\*.
  - b. At least 6 additional credit hours at the 4000 level in Computer Science courses.
  - c. ~~Three~~ Twelve additional credit hours in Computer Science courses at the 3000 level or beyond.
2. Additional courses required of the Majors are: Mathematics 1000, 1001, 2000, 2050, ~~2320~~, and Statistics 1510 or 2550.  
Note: *Students are encouraged to take Business 2000, Mathematics 3000, and Statistics 2560.*

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

**9.4.78 Honours in Computer Science**

1. See **Regulations for the Honours Degree of Bachelor of Arts or Regulations for the Honours Degree of Bachelor of Science** (as appropriate).
2. Sixty-three credit hours in Computer Science courses are required for the Honours Degree in Computer Science, including:
  - a. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4770, and 4780.~~ 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\* and 4780.
  - b. ~~Eighteen~~ Fifteen additional credit hours in Computer Science at the 4000 level.
  - c. ~~Six~~ Eighteen additional credit hours in Computer Science courses at the 3000 level or beyond.
3. Additional courses required are: Mathematics 1000, 1001, 2000, 2050, ~~2320~~, and Statistics 1510 or 2550.  
Note: *Students are encouraged to take Business 2000, Mathematics 3000, and Statistics 2560.*

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.

Department of Computer Science (cont'd)

**9.4.89 Honours in Computer Science (Software Engineering) (B.Sc. Only)**

Completion of the Honours in Computer Science (Software Engineering) Program does not qualify persons to hold the designation

"Professional Engineer" as defined by various Provincial Acts governing the Engineering Profession.

1. See **Regulations for the Honours Degree of Bachelor of Science.**
2. Sixty-three credit hours in Computer Science courses are required for the Honours Degree in Computer Science (Software Engineering), including:
  - a. Computer Science ~~4710, 2710, 2711, 2742, 2760, 3715, 3716, 3718, 3719, 3724, 3725, 3754, 4770, and 4780.~~ 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 4770 and 4780.
  - b. ~~Six~~ Nine additional credit hours in Computer Science courses chosen from 4718, ~~4719~~, 4721, 4723, 4751, 4753, 4756, 4759, 4766, and 4768.
  - c. ~~Three~~ Nine additional credit hours in Computer Science courses at the 4000 level.
  - d. Twelve additional credit hours in Computer Science courses at the 3000 level or beyond.
3. Additional courses required are: Mathematics 1000, 1001, 2000, 2050, 2320, and Statistics 1510 or 2550.

Note: *The Honours project (4780) must be in the area of Software Engineering.*

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.

**9.4.910 Minor in Computer Science**

For a Minor in Computer Science, a student must complete at least 24 credit hours in Computer Science courses, including:

1. Computer Science ~~4710, 2710, 2711.~~ 1000, 1001, 2001.
2. At least 6 credit hours selected from Computer Science ~~3715, 3716, 3719, 3724, 3725, and 3754.~~ 1002, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*.
3. Three additional credit hours at the 3000 level or above.
4. Additional courses as necessary to fulfill the requirement for 24 credit hours in Computer Science.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.

Department of Computer Science (cont'd)

**9.4.101 Computer Industry Internship Option (CIIO):**

The Computer Industry Internship Option (CIIO) provides an opportunity for qualified students to obtain rewarding placements that help them develop practical skills in a real work setting before graduation. The CIIO is available to Computer Science Majors who will typically apply between their third and fourth year of studies.

**9.4.101.1 Admission Requirements**

In order to be considered for admission to the CIIO, an applicant:

1. must be a declared Computer Science Major;
2. must have successfully completed Computer Science ~~1710, 2710, 2711, 2742, 2760, 3716, and any two other core 3000 level computer science courses; 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\* and 6 credit hours at the 3000 level;~~
3. must have at least 15 credit hours remaining after the internship in order to satisfy degree requirements, 3 of which must be in Computer Science; and
4. is expected to return to University as a full-time student after the internship.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.

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

**9.4.101.2 Internship Duration:**

Subject to the availability of job openings, a student may choose either an 8, 12 or 16 consecutive month internship period.

**9.4.101.3 Internship Guidelines:**

1. Internship employment is normally organized by Co-operative Education; however, students who have been accepted to the CIIO may also obtain their own internship placements. All placements are subject to the approval of Co-operative Education and of the Head of the Department of Computer Science.
2. Students who have applied to the internship program give permission to Co-operative Education to supply prospective employers with copies of their resume and transcript.
3. After being placed with an employer, students are not permitted to drop their internship without prior approval from Co-operative Education and the Head of the Department of Computer Science. Students who drop an internship without permission, who fail to honour an agreement to work with an employer, or who conduct themselves in such a manner as to cause their discharge from the placements, will normally be awarded a fail grade for the internship period and may not be permitted to reapply.

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Note: *Students should also refer to the **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)**.*

**9.4.101.4 Expectation of Work**

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

**9.4.101.5 Registration, Assessment of Performance, and Assignment of Grades:**

Students must register for the course Computer Science 3700 every semester during their internship.

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

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

The Internship evaluation shall consist of two components:

1. On-the-job Student Performance: Job performance shall be assessed by Co-operative Education in consultation with the Department using information gathered during the internship and input from the employer. Evaluation of the on-the-job student performance will result in one of the following classifications: PASS WITH DISTINCTION, PASS, FAIL.
2. The Final Internship Report: Evaluation of the final internship report will result in one of the following classifications: PASS WITH DISTINCTION, PASS, FAIL.

The evaluation of the on-the-job student performance and the final internship report are recorded separately on the transcript. Overall evaluation of the internship will result in one of the following final grades being awarded:

1. PASS WITH DISTINCTION: indicates outstanding performance in both the final internship report and the on-the-job student performance. PASS WITH DISTINCTION has

### Department of Computer Science (cont'd)

been awarded to each of the final internship report and the on-the-job student performance.

2. PASS: indicates that performance meets expectations in both the final internship report and on-the-job student performance. The student meets the requirements of a passing mark in the final internship report and on-the-job student performance.
3. FAIL: indicates failing performance in either the final internship report or on-the-job student performance or both. Also, the following will be noted in the transcript of the intern:
  1. Requirements for the Computer Industry Internship Option have been completed. Internship Duration: - months.
  2. A grade of NC (No Credit) for Computer Science 3700 will be awarded in all semesters of the Internship Option prior to the final Semester.

#### **9.4.101.6 CIIO and Honours Program:**

In case a student is enrolled in both the Honours program and the CIIO, the requirements of both must be met. Upon approval from the honours project supervisor, within the Department, the employer and the Head of the Department of Computer Science, an internship project may be submitted as a component of an honours project. These arrangements must be made within the first semester of the Internship placement.

#### **9.4.6 Course Numbering Scheme**

~~There are five areas of Computer Science offered in the 3000 and 4000-level courses. The meaning of the third digit of a course number is as follows:~~

- ~~1 Programming Languages~~
- ~~2 Computer Systems~~
- ~~3 Numerical Computations~~
- ~~4 Theoretical Aspects~~
- ~~5,6 Applications (e.g. Artificial Intelligence, Computer Graphics, Data Base, Robotics, Computational Geometry, Image Processing, Computer Networking, Computer Aided Design)~~
- ~~7 Project Course~~
- ~~8 Honours Project~~
- ~~9 Directed Readings~~

#### **9.4.112 Supplementary Examinations**

Supplementary examinations will be allowed in certain Computer Science courses which have written final examinations. Students should refer to the Faculty of Science degree regulations for details.

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**9.4.123 Faculty Advisors**

The Department has an Undergraduate Advisor for Computer Science majors to consult with on academic matters.

**9.4.134 Undergraduate Handbook**

Additional information about the undergraduate Computer Science programs and courses can be found in the Computer Science Undergraduate Handbook available from the General Office, Department of Computer Science or from [www.mun.ca/computerscience/](http://www.mun.ca/computerscience/).

Page 520, 2015-2016 Calendar, under the heading 10.4 Computer Science, amend the calendar entries as follows:

**“10.4 Computer Science**

Computer Science courses are designated by COMP.

**10.4.1 First Year Courses**

**1000 Computer Science – An Introduction** is a gentle introduction to computer science. In a breadth-first overview approach it discusses important aspects of computer science including fundamentals in algorithms, binary data representation, Boolean logic and its implementation, machine architecture, systems software, networking concepts, programming languages, databases, and selected Computer Science subfields.

CR: COMP 1700

LH: 3

**1001 Introduction to Programming** is an introduction to fundamental programming techniques, primitive data types, and to simple algorithms and their design concepts.

CR: COMP 1710

LH: 3

**1002 Introduction to Logic for Computer Scientists** introduces methods of reasoning and logic tools that underlie computer science. In particular, this course covers propositional and predicate logic, sets and other discrete structures, as well as modular arithmetic and basic counting, with emphasis on their applications in computer science.

CR: COMP 2742, ENGI 4424, MATH 2320. Students cannot receive credit for COMP 1002 if completed with, or subsequent to, MATH 2320.

LH: 3

PR: COMP 1000

Department of Computer Science (cont'd)

**1400 Computing in the 20th Century and Beyond** will give an overview of the development of computing technologies over the last 75 years as well as both the perception of these technologies by, and their impact on, society. The course will be organized chronologically by decade, and within each decade will examine the dominant computing developments, their image in various print and pictorial media, and their social impact. The aim is to give students of all disciplines an appreciation of the abilities and limitations of computer technology and how such technologies interact with society.

**1510 An Introduction to Programming for Scientific Computing** introduces students to basic programming in the context of numerical methods with the goal of providing the foundation necessary to handle larger scientific programming projects. Numerical methods to solve selected problems from Physics, Chemistry, and Mathematics will be covered.

CR: the former COMP 2602 and the former Mathematics 2120

LH: 2

PR: Mathematics 1000

**1550 Introduction to Multimedia Application Development** is an introduction to programming and computer science with an emphasis on the development of multimedia applications. The course introduces the fundamental principles of programming, including object-oriented and event-driven programming, how to use and create classes and methods and combine them with multimedia libraries to produce animations, handle input from keyboard and mouse, and import sounds and videos to produce multimedia applications which can be directly deployed on the Internet.

LH: 3

**1600 Basic Computing and Information Technology** offers an overview of information technology. It provides students with an understanding of basic concepts and necessary skills required to use spreadsheet, database and presentation software to manage, analyze, and present data.

CR: Business 2700, the former COMP 2650 or the former COMP 2801

LH: 3

**1700 Introduction to Computer Science** lays the foundation for the art and the science of computing. The course contains fundamental and topical issues in computers, languages, programming and applications. This course is designed for potential Computer Science majors without a background in programming, but is also available for non majors.

CR: COMP 1000

LH: 3

Department of Computer Science (cont'd)

**1710 Object-Oriented Programming I** is an introduction to fundamental programming techniques, primitive data types and operations, program control structures and the use of objects, classes and methods.

CR: ~~if previously completed or currently registered for COMP 2710 or~~ COMP 1001

LH: 3

**10.4.2 Second Year Courses**

**2000 Collaborative and Emergent Behaviour** is a survey of computation as a means of understanding, modelling, and describing artificial and natural systems. The emergence of complex behaviour from the interaction of simple rules governing individual components is illustrated and discussed, as well as the role of communication between system components. Selected systems to be studied will be drawn from different topic areas which may include the worldwide web, the mind (cognitive science), formal logic, autonomous robotics, chaos and fractals, and bioinformatics. Each topic will incorporate an associated laboratory experience.

LH: 3 hours bi-weekly

**2001 Object-Oriented Programming and Human-Computer Interaction** advances from Introduction to Programming and studies object-oriented programming. Additional topics include event-driven programming, program correctness and simple refactoring, as well as interfaces and human-computer interaction. A brief overview of programming languages is also provided.

CR: COMP 2710

LH: 3

PR: COMP 1001, MATH 1000

**2002 Data Structures and Algorithms** covers fundamental data structures, algorithms and algorithm design techniques. A problem-driven course, it focuses on computational problem solving from designing an efficient algorithm to implementing it using appropriate data structures.

CR: COMP 2711

LH: 3

PR: COMP 1001, COMP 1002

**2003 Computer Architecture** introduces computer architecture at the digital logic implementation level, at the instruction set level, and at the level where programming languages are translated into the underlying machine instructions.



Department of Computer Science (cont'd)

CR: COMP 3724

LH: 3

PR: COMP 1001, COMP 1002

**2004 Introduction to Operating Systems** introduces fundamental techniques for interfacing between computer software and hardware platforms, including the composition of and connections within a multilevel operating system. Students learn how to design substantial parts of an operating system.

CR: COMP 3725

PR: COMP 2002, COMP 2003

**2005 Software Engineering** introduces students to the different software process models, to project management and the software requirements engineering process, as well as to systems analysis and design as a problem-solving activity.

CR: COMP 3716

PR: COMP 2001

**2006 Computer Networking** introduces students to the use of programming interfaces for computer networking and to understand how the Internet works on the level of protocols. It focuses on the most commonly used of those protocols that are in the vast majority of modern computer systems.

CH: 1

CO: COMP 2004

CR: COMP 3715

PR: COMP 2001, COMP 2002

**2007 Introduction to Information Management** introduces the basic knowledge needed for managing large volumes of data. It covers topics in information management and database systems from storage and retrieval to security and privacy of data.

CH: 1

CO: COMP 2004

CR: COMP 3754

PR: COMP 2002

**2008 Social Issues and Professional Practice** covers ethical and social considerations of computing to provide students with the basis to address these issues by ethical and technical actions. Case studies are used to illustrate ethical and social issues of computing.

CH: 1

CR: COMP 2760

PR: COMP 1000

Department of Computer Science (cont'd)

**2500 Data Analysis with Scripting Languages** introduces the use of scripting languages to solve common data analysis tasks. The control structures and expressions of the language are first discussed. Script solution to storing/retrieving data sets, searching data sets, and performing numeric and statistical calculation are covered. Plotting and visualization for data sets are also presented.

PR: COMP 1510 or COMP 1700 or COMP 1710 or COMP 2602 or COMP 1000 or COMP 1001 (or equivalent)

**2510 Programming in C/C++** is a comprehensive treatment of the C/C++ programming languages. It is intended for students with some first programming experience. This course starts with a discussion of fundamentals of C and C++, moves on to the object-oriented aspects of C++, and introduces some advanced topics. It is an essential course for mastering the power of this rich programming language.

CR: Engineering 3891 LH: 3

PR: COMP 1510 or COMP 1550 or COMP 1700 or COMP 1710 or COMP 1000 or COMP 1001 or Engineering 1020 (or equivalent)

~~**2602 Computer Programming in FORTRAN** inactive course.~~

~~**2650 Problem-Solving with Personal Computers** is an overview of tools and techniques that current computer technology offers in a PC based networked environment. The emphases are on conceptual understanding of the software, from exploring capabilities of the existing software tools to learning methods of extending these capabilities. The key topics include problem solving strategies, visual programming, macro language operations, object linking and embedding, digital communication, and developing interactive web pages. The course has a practical flavour. In structured laboratory sessions, students gain proficiency in using personal computers for solving common problems.~~

~~CO: Mathematics 1000~~

~~CR: COMP 1600, COMP 2801, or the former Business 2700 LH: 3~~

~~PR: Level III Advanced Mathematics or Mathematics 1000 or Mathematics 1090 (or equivalent)~~

**2710 Object-Oriented Programming II** continues from Object-Oriented Programming I, and studies object-oriented and event-driven programming. Additional topics include: recursion, basic analysis of algorithms, fundamental data structures such as simple linked structures and stacks, and fundamental computing algorithms such as binary search and quadratic time sorting. A brief overview of programming languages, virtual machines and language translations is also provided.

CR: COMP 2001

LH: 3

PR: COMP 1710 and Mathematics 1000

Department of Computer Science (cont'd)

**2711 Introduction to Algorithms and Data Structures** includes the study of standard ways of organizing and manipulating data in computer storage. Fundamental concepts in the design and analysis of algorithms are also discussed.

CR: COMP 2002

LH: 3

PR: COMP 2710. It is recommended that students complete COMP 2742 prior to registering for COMP 2711

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

LH: 3

PR: COMP 1510 or COMP 1550 or COMP 1700 or COMP 1710 or ~~COMP 2650~~ or COMP 1000 or COMP 1001

**2742 Logic for Computer Science** is an introduction to propositional and predicate logic with applications. The use of the system of boolean logic in reasoning and circuit design, as well as basic proof techniques and the resolution principle, for both propositional and predicate logic, will be covered. Concepts involving sets will be used to illustrate different types of proof techniques. The probable intractability of boolean logic and Goedel's incompleteness theorem will be presented.

CR: COMP 1002

PR: COMP 1710 or COMP 1001, and Mathematics 1000

~~**2752 Introduction to Business Data Processing**—inactive course.~~

**2760 Encountering the Computer: Society and the Individual** examines social, ethical, legal and cultural issues surrounding the use of computers in modern society. These broader social issues are followed by an examination of the use of social and individual psychology in user interface design. Students will be expected to demonstrate an understanding of these issues both directly (through verbal and written discourse) and practically, as applied to the creation of actual software artifacts.

CR: COMP 2008

CO: COMP 2710 or 2001

PR: two 1000-level English courses, or equivalent

Department of Computer Science (cont'd)

~~**2801 Introductory Computing for Business** introduces students to computer applications in business, document processing, application development, decision support, and information management. A three hour laboratory is required.~~

~~CO: Mathematics 1000~~

~~CR: COMP 1600, COMP 2650, or Business 2700 LH: 3~~

~~PR: Level III Advanced Mathematics or Mathematics 1000 or Mathematics 1090 (or equivalent)~~

**10.4.3 Third Year Courses**

**3550 Introduction to Bioinformatics** (same as Biology 3951) deals with the development and application of computational methods to address biological problems. The course will focus on the fundamental concepts, ideas and related biological applications of existing bioinformatics tools. This course will provide hands-on experience in applying bioinformatics software tools and online databases to analyze experimental biological data, and it will also introduce scripting language tools typically used to automate some biological data analysis tasks.

CR: Biology 3951 LH: 3

PR: Biology 2060 or Biochemistry 2101, and one Computer Science course at the 1000-level or above excluding COMP 1400, COMP 1600 and COMP 2000; or COMP 2500 or COMP 2710 or COMP 2001, and one Biology course at the 1000-level or above excluding Biology 2040 and Biology 2041; or permission of the course instructor

**3700 Industrial Experience** is a course for students who are admitted to CIIO. Students are required to register for this non-credit course every semester during their internship. This course is open only to students who have been accepted into the Internship Program and provides an opportunity for qualified students to obtain rewarding job experience of 8, 12 or 16 months of continuous duration, during the course of their studies.

CH: 0

PR: admission to the Computer Industry Internship Option (CIIO)

**3710 Vocational Languages** is a study of several programming languages of vocational significance. The use of appropriate programming paradigms to solve some significant problems will be illustrated.

PR: COMP 2711 or COMP 2002

~~**3714 Programming Languages and their Processors** — inactive course.~~

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**3715 Network Computing with WEB Applications** studies how distributed applications (e.g., client/server Web applications) are constructed using the Internet. Topics covered include: the socket interface for network communication, client/server applications, browser scripting using Javascript, content generation for web applications (e.g., jsp, php), html/css documents, and the use of cryptography to handle security.

CR: COMP 2006

PR: COMP 2711 or COMP 2002

**3716 Software Methodology** studies the development of software by gathering the requirements of the software program, analysing the requirements to create a development model, and creating the software and documents for the software product. This course studies techniques for all three software development activities.

CR: COMP 2005

PR: COMP 2711 or COMP 2002

~~**3717 Symbolic Computation and Recursion**—inactive course.~~

**3718 Programming in the Small** demonstrates the tools and techniques used in the construction of small software systems. The software tools and techniques to be covered include analysis and design of software components, software construction tools (e.g. linkers, builders, debuggers), software library use and design, and system integration.

PR: COMP 2711 or COMP 2002

**3719 Theory of Computation and Algorithms** is an introduction to formal algorithmic problem solving. Various algorithm design techniques that sometimes yield efficient solutions are studied. Deterministic and nondeterministic machines (finite state automata, pushdown automata and Turing machines) are discussed and used to efficiently solve problems such as the String Matching Problem, the parsing of Context-free Languages, and to introduce the theory of NP-completeness. In addition, Turing machines are used to prove the unsolvability of certain problems. Tractable, intractable and undecidable problems are contrasted. Basic issues related to parallelization are discussed as well.

CR: the former COMP 3711 and the former COMP 3740

PR: COMP 2711 or COMP 2002; and Mathematics 2320 or COMP 1002

~~**3723 Logic Design**—inactive course.~~

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**3724 Computer Organization** can be studied at the digital logic implementation level, the instruction set architecture level, and the translation of programming languages to the underlying machine instruction level. This course studies computer organization at these levels.

CR: COMP 2003

~~CO: Mathematics 2320~~

PR: COMP 2711 or COMP 2002; and COMP 2742 and MATH 2320, or COMP 1002

**3725 Computer Architecture and Operating Systems** covers system design and the architectural implementations of these designs. The objective is to develop the basic concepts of processor design, memory management, operating systems, and I/O devices and their interactions.

CR: COMP 2004

PR: COMP 3724 or COMP 2003

**3731 Introduction to Scientific Computing** main objectives are the development of algorithms for the numerical solution of mathematical problems and the study of the numerical stability of these algorithms. The efficiency of these algorithms with respect to speed and storage requirements is considered as well. Emphasis is also placed on the study of the sensitivity of selected problems to perturbations in the data. There is also a brief introduction to the development of numerical algorithms that take advantage of advanced computer architectures, such as pipeline processors, array processors and parallel processors.

CR: Mathematics 3132

PR: Mathematics 2000 and Mathematics 2050, and ~~one of COMP 2602 or COMP 2710~~ or COMP 1001

~~**3751 Computational Aspects of Operations Research** — inactive course.~~

**3753 Computational Aspects of Linear Programming** is an introduction to the Linear Programming Problem (LPP). The emphasis is placed upon developing the most recent and numerically reliable algorithms for the solution of the Linear Programming Problem. The numerical stability of these algorithms will be examined as well. Geometric understanding of the LPP. Simplex method for the LPP. Sparse matrix LPP. Duality and postoptimality analysis. Extensions to the simplex algorithm. Principles of interior algorithms for the LPP.

PR: Mathematics 2050, and ~~one of COMP 2602 or 2710~~ or COMP 2001

**3754 Introduction to Information and Intelligent Systems** introduces students to application areas that are away from usual number-based

Department of Computer Science (cont'd)

and text-based processing. Students will learn the basic concepts and become aware of the historical developments and social and ethical issues related to the application areas such as intelligent systems and information management. This exposure will help students to become knowledgeable about managing large volumes of data and dealing with problems that are well defined but whose algorithmic solutions are not feasible or problems that are fuzzily defined.

CR: COMP 2007

PR: COMP 2711 or COMP 2002, and COMP 2742 or COMP 1002

~~**3790 Directed Readings**—inactive course.~~

**10.4.4 Fourth Year Courses**

**4550 Bioinformatics: Biological Data Analysis** (same as Biology 4606) provides students with the basis to analyse a variety of biological data within an integrated programming environment for data manipulation, calculation and graphical display. Students will learn to extract meaningful information from data generated by high-throughput experimentation. The course will introduce one such integrated programming environment and will explore the computational and statistical foundations of the most commonly used biological data analysis procedures.

CR: Biology 4606 LH: 3

PR: Biology 3951 or COMP 3550, and Statistics 2550 (or equivalent), or permission of the course instructor

**4711 Structure of Programming Languages** covers programming language design considerations; syntactic and semantic structure; survey of typical features and operations; analysis of facilities for control and data structuring; language extensibility; execution models; formal specification of programming languages.

PR: COMP 3719, and COMP 3724 or COMP 2003

**4712 Compiler Construction** studies properties of formal grammars and languages; syntax-directed parsing and code generation; top-down and bottom-up parsing methods; LL(k) and LR(k) grammars and parsers; Code optimization; compiler writing tools.

PR: COMP 3719, and COMP 3724 or COMP 2003

**4715 and 4717 Special Topics in Programming Languages**

**4718 Survey of Software Engineering** surveys the major topics of software engineering. Areas covered include: requirements capture, system design and design approaches, verification and validation

Department of Computer Science (cont'd)

(including formal methods and testing), and management of the software development process.

PR: COMP 3716 or COMP 2005

~~**4719 Software Specification**—inactive course.~~

**4721 Operating Systems** studies the design and implementation of an operating system's kernel. The main components used in operating system implementations include: context switches, process management, memory management, interprocess communication, file systems and system calls. The data structures and algorithms used in implementing the above components are studied. The different architectural styles of kernel implementation are also considered. Real-time operating systems are also discussed.

CR: Engineering 8894

PR: COMP 3725 or COMP 2004

**4723 Introduction to Microprocessors** examines the architecture and instruction sets for several microprocessors. The use of microprocessors as device controllers; comparisons of hardware and programmed techniques; microprocessor interfacing with external devices; methods of I/O; bus structures; modern microprocessor support devices are discussed.

LH: Minimum of three hours per week. Practical experience with basic principles will be obtained through laboratory experience.

PR: COMP 3724 or COMP 2003

~~**4725 Introduction to LSI Design**—inactive course.~~

**4726-4729 Special Topics in Computer Systems**

**4734 Matrix Computations and Applications** is an introduction to linear algebra; solution to linear systems; scaling, improving and estimating accuracy; the linear least squares problem; the eigenvalue problem; singular value decomposition of a matrix; the generalized eigenvalue problem.

~~**4735 Advanced Matrix Computations and Applications**—inactive course.~~

**4736-4739 Special Topics in Numerical Computations** will have topics to be studied announced by the Department.

**4740 Design and Analysis of Algorithms** will give an overview of techniques for the design of efficient optimal-solution and heuristic algorithms. It will include an introduction to various advanced data



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structures for set and string processing that are used to further optimize algorithm efficiency.

PR: COMP 3719

**4741 Formal Languages and Computability** is an in-depth study of various types of formal machines and their associated languages. Effective computability and other formalisms, such as lambda calculus will be studied as well.

CR: the former COMP 3740

PR: COMP 3719

**4742 Computational Complexity** is an in-depth discussion of computational complexity theory. Topics covered in the course include: models of computation (for both serial and parallel computations); complexity measures; reducibility; complexity classes (NP, PSPACE, NC, LOGSPACE and P); and randomized computations.

PR: COMP 3719

**4743 Graph Algorithms and Combinatorial Optimization** discusses classical problems in combinatorial optimization and graph algorithms, including matching, colorability, independent sets, isomorphism, network flows and scheduling. Special families of graphs are discussed and algorithms that would otherwise be NP-hard or complete are shown to be polynomial time when restricted to such families.

PR: COMP 3719

**4745-4749 (Excluding 4748) Special Topics in Theoretical Aspects**

**4748 Introduction to the Science of Complexity** is an exploration of the use of computers in the simulation of complex systems. Some theories and models, such as cellular automata, artificial life, fractals, genetic algorithms, chaos, and evolution will be discussed and will be used in the modelling of "real-life" systems. The approach in this course is practical. Students have to write a number of programs of different levels of sophistication including a final project.

PR: COMP 3719

**4750 Introduction to Natural Language Processing** covers tasks involving human languages, such as speech recognition, text understanding, and keyword-based information retrieval which underlie many modern computing applications and their interfaces. To be truly useful, such natural language processing must be both efficient and robust. This course will give an introduction to the algorithms and data structures used to solve key NLP tasks, including utterance understanding and generation and language acquisition, in both of the major algorithmic paradigms used today (rule-based and statistical).

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The emphasis will be primarily on text-based processing though speech-based processing will be addressed where possible.

PR: COMP 3719 or COMP 3200, and Statistics 1510

**4751 Computer Graphics** examines display devices, display processors, display file compilers, display transformations, structured display files, graphical input devices, perspective, hidden line elimination, languages and graphics systems.

LH: 3

PR: COMP 3719 and Mathematics 2050

**4752 Introduction to Computational Intelligence** provides an introduction to four of the fundamental computational intelligence methods: artificial neural networks, evolutionary computation, swarm intelligence and fuzzy systems. The integration of these techniques for problem solving will also be introduced.

PR: COMP 3719, and COMP 3754 or COMP 2007

**4753 Artificial Intelligence** has selected topics from AI programming languages; heuristic searching; problem solving; game-playing; knowledge representations; knowledge-based systems; reasoning in uncertainty situations; planning; natural language understanding; pattern recognition; computer vision; and machine learning.

PR: COMP 3719, and COMP 3754 or COMP 2007

**4754 Database Systems** introduces students to database processing, database management systems and database design considerations. It will cover the theory and methodologies essential for the relational database design, implementation, manipulation, optimization and management.

PR: COMP 3725 or COMP 2004, and COMP 3754 or COMP 2007

**4756 Image Processing** will centre on the key analytical and algorithmic tools and concepts of digital image processing. Topics will include Transformations, Enhancement, Encoding, Data Bases, Segmentation and Description.

LH: 3

PR: COMP 3719

**4759 Computer Networks** looks at how the operation of computer networks requires the following: a) communication between two computers, b) information transfer between two computers not directly connected, and c) services that need computer communication. This course focuses on the standard solutions and services used to fulfill the previous requirements. These include: physical transmission of signals, reliable communication based on unreliable communication channels,

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the routing of messages between connected computers to reach computers that are not directly connected, e-mail, file transfer, name servers, remote terminal access and the World Wide Web. Particular attention will be placed on the workings of the Internet.

PR: COMP 3715 or COMP 2006, and COMP 3725 or COMP 2004

~~**4761 Human-Computer Interaction**—inactive course.~~

**4762 Introduction to Computational Molecular Biology** will give an overview of computational problems and algorithms for these problems associated with a variety of analyses of biological molecular data.

PR: COMP 3719

**4766 Introduction to Autonomous Robotics** examines the fundamental constraints, technologies, and algorithms of autonomous robotics. The focus of this course will be on computational aspects of autonomous wheeled mobile robots. The following topics will be covered: major paradigms in robotics, methods of locomotion, kinematics, simple control systems, sensor technologies, stereo vision, feature extraction, modelling uncertainty of sensors and positional information, localization, SLAM, obstacle avoidance, and 2-D path planning.

LH: 3

PR: COMP 2711 or COMP 2002, Mathematics 2000, Mathematics 2050, and Statistics 1510 or Statistics 2550 or the former Statistics 2510

**4767 Information Visualization and Applications** focuses on the design and implementation of interactive visualization techniques for the analysis, comprehension, exploration, and explanation of large collections of abstract information. Topics to be covered include principles of visual perception, information data types, visual encodings of data, representation of relationships, interaction methods, understanding user goals and tasks, and evaluation techniques. Case studies of accepted techniques and the current state-of-the-art in information visualization will be presented.

PR: COMP 2760 or COMP 2008, and COMP 3719

**4768 Software Development for Mobile Devices** focuses on the design and implementation of software in a mobile networking environment. The primary topics to be covered in this course include software engineering, network computing, graphics programming, and human-computer interaction for mobile devices. A modern mobile device with advanced networking and graphic features, including multi-touch interaction and motion sensors will be used as the primary platform for development in this course.

LH: One and one-half hours per week

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PR: COMP 2760 or COMP 2008, COMP 3715 or COMP 2006, and COMP 3716 or COMP 2005

**4770 Team Project** has as its main objective to develop a working prototype of a software system as a team effort. A group of students will work on a project for a term, experiencing the advantages and difficulties of team projects.

AR: attendance is required

PR: COMP 3715 or COMP 2006, COMP 3716 or COMP 2005, COMP 3724 or COMP 2003, and COMP 3754 or COMP 2007

**4780 Honours Project** introduces computer science honours students to research activities, familiarizes them with a special problem in computer science, and provides independent study on an advanced topic under the direct supervision of a member of the computer science faculty. The topic is decided in consultation with the supervisor. The student is required to produce a written report on the project, to include the literature search on the topic, and to present this work at a departmental seminar prior to the last week of the semester.

PR: admission to the honours program and permission of the Head of Department

**4800-4825 Special Topics** will be offered as departmental resources permit.

CO: Special topics courses are not offered on a regular basis, but whenever departmental resources permit. For these reasons, the co-requisites can vary each time the courses are offered.

PR: Special topics courses are not offered on a regular basis, but whenever departmental resources permit. For these reasons, the prerequisites can vary each time the courses are offered."

Page 474, 2015-2016 Calendar, under the heading 5.1.14 Computer Science and Geography Joint Honours (B.Sc.Only), amend the calendar entry to read as follows:

**"5.1.14 Computer Science and Geography Joint Honours (B.Sc. Only)**

See **Regulations for the Honours Degree of Bachelor of Science**

**1. Computer Science Requirements**

Forty-eight credit hours in Computer Science courses are required for the Joint Honours:

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a. ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4751, 4770.~~ 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*

b. Six additional credit hours in courses at the 4000 level not including 4780.

c. ~~Three~~ Twelve additional credit hours in courses at the 3000 level or beyond.

**2. Geography Requirements**

Forty-eight credit hours in Geography courses are required for the Joint Honours: 1050, 2001, 2102, 2195, 2226, 2302, 2425, 3202, 3222, 3226, 3250, 3260, 3303, 4202, 4250, 4261, and the former 4291.

**3. Additional Requirements**

a. Mathematics 1000, 1001, 2000, and 2050, ~~and 2320~~.

b. An Honours Dissertation (either Computer Science 4780 or Geography 4999). The topic for dissertation must be chosen with the prior approval of the Heads of both Departments.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

Page 474, 2015-2016 Calendar, under the heading 5.1.15 Computer Science and Physics Joint Honours, amend the calendar entry as follows:

**"5.1.15 Computer Science and Physics Joint Honours**

The following courses are prescribed:

1. Chemistry 1050 and 1051 (or Chemistry 1010, 1011, and the former 1031) (or 1200 and 1001).

2. a. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3731, 3754, 4770.~~ 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 3731

b. Nine additional credit hours in Computer Science courses numbered 3000 or higher, including at least ~~6~~ three credit hours in courses ~~numbered at the 4000 level or higher.~~

3. a. Physics 1050 (or 1020) and 1051.

b. Physics 2053, 2055, 2750 ~~or 2056~~, 2820, 3220, 3400, 3500, 3750, 3800, 3820, ~~4500, 4820 and 3230 or 3900.~~

c. Three additional credit hours in Physics at the 4000 level.

4. ~~Physics 490A/B and 490B~~ or Computer Science 4780 and three additional credit hours in Computer Science at the 4000 level.

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- ~~5. Physics 3810 or Mathematics 3202.~~
6. 5. a. Mathematics 1000 and 1001.  
b. Mathematics 2000, 2050, 2260 ~~(or 3260)~~ and ~~2320~~ 3202.
7. English 1080 and 1110 (or equivalent).
8. Two electives to bring the total credit hours to 120.

Computer Science 2500 and Statistics 2550 is are recommended.  
~~The topic for the Honours project or thesis, Computer Science 4780 or Physics 490A/B, must be chosen with the prior approval of both Departments.~~

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

Page 474, 2015-2016 Calendar, under the heading 5.1.16 Computer Science and Pure Mathematics Joint Honours (B.Sc.Only), amend the calendar entry as follows:

**"5.1.16 Computer Science and Pure Mathematics Joint Honours (B.Sc. Only)**

See **Regulations for the Honours Degree of Bachelor of Science.**  
Students shall complete the following: At least 51 credit hours in Computer Science courses are required including the following:

1. ~~Computer Science 1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4770.~~ 1000, 1001, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*.
2. ~~Excluding 4780, 15~~ 24 additional credit hours from courses numbered 3000 or higher, at least 9 credit hours of which must be in courses at the 4000 level.

The following courses in Mathematics and Statistics are required:

1. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3001, 3202, 3210, 3260, 3320, 3340, Statistics 2550;
2. Either Mathematics 4000 or 4001;
3. Excluding Mathematics 3330 and 439A/B, 15 additional credit hours in courses offered by the Department of Mathematics and Statistics numbered 3000 or higher including at least 9 credit hours from courses numbered 4000 or higher and at least 9 credit hours in Pure Mathematics courses;
4. An Honours Dissertation in one of the departments, with the topic chosen in consultation with both departments.

Note: *There is an Undergraduate Advisor in each Department. These advisors should be consulted on all academic matters.*

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

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Page 474, 2015-2016 Calendar, under the heading 5.1.17 Computer Science and Statistics Joint Honours (B.Sc.Only), amend the calendar entry as follows:

**“5.1.17 Computer Science and Statistics Joint Honours (B.Sc. Only)**

See **Regulations for the Honours Degree of Bachelor of Science**. The following courses are required:

1. Mathematics 1000, 1001, 2000, 2050, 2051, 2320, 3340, Statistics 1510 or 2500 or 2550, 2501 or 2560, 3410, 3411, 3520, 3521, 3540, 4530, 4590;
2. Eighteen further credit hours in Statistics courses including at least 12 credit hours in courses numbered 4000 or higher, but not including Statistics 4581 and 459A/B;
3. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4734, 4770.~~ 1000, 1001, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 4734.
4. ~~Six~~ Twenty-one additional credit hours in Computer Science courses at the ~~4000~~ 3000 level or higher, not including 4780.
5. Either Computer Science 4780 or Statistics 459A/B.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.”

Page 476, 2015-2016 Calendar, under the heading 5.2.1 Applied Mathematics and Computer Science Joint major (B.Sc.Only), amend the calendar entry as follows:

**“5.2.1 Applied Mathematics and Computer Science Joint Major (B.Sc. Only)**

The following courses are required

1. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4770~~ 1000, 1001, 2001, 2002, 2003, 2004, 2005 2006\*, 2007\*, 2008\*, plus 6 18 further credit hours in Computer Science courses numbered 3000 or higher.
2. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2260 (or 3260), 2320, 3000, 3100, 3132, 3161, 3202, 4160, 4190, plus one of Mathematics 3210, 4131, 4132, 4162.

In addition, Statistics 2550 is highly recommended.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.”

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Page 476, 2015-2016 Calendar, under the heading 5.2.4 Computer Science and Economics Joint Major (B.Sc.Only), amend the calendar entry as follows:

**“5.2.4 Computer Science and Economics Joint Major (B.Sc. Only)**

**1. Computer Science Requirements**

Forty-two credit hours in Computer Science courses are required: 1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3731, 3753, 3754, and 4770. 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 2500, 3731, 3753 plus 6 further credit hours in Computer Science courses numbered 3000 or higher.

**2. Economics requirements**

A total of 42 credit hours in Economics courses are required: 2010, 2020, 2550, 3000, 3001, 3010, and 6 credit hours from either 3550 and 3551, or 4550 and 4551 are obligatory.

The remaining 18 credit hours shall be chosen from among the various Economics courses in consultation with the Head of the Department or delegate, and will include at least 9 credit hours in courses at the 4000 level.

**3. Additional Requirements:** Mathematics 1000, 1001, 2000, 2050, ~~2320~~, and Statistics 2550.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.”

Page 476, 2015-2016 Calendar, under the heading 5.2.5 Computer Science and Geography Joint Major (B.Sc.Only), amend the calendar entry as follows:

**“5.2.5 Computer Science and Geography Joint Major (B.Sc. Only)**

**1. Computer Science Requirements**

Thirty-nine credit hours in Computer Science courses are required: 1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4751, and 4770. 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 2500, plus 6 further credit hours in Computer Science courses numbered 3000 or higher.

**2. Geography Requirements**

Thirty-nine credit hours in Geography courses are required: 1050, 2001, 2102, 2195, 2302, 2425, 3202, 3222, 3250, 3260, 4202, 4250, 4261.

**3. Additional Requirements:** Mathematics 1000, 1001, 2000, 2050, ~~2320~~, and Statistics 2550.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.”



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Page 476, 2015-2016 Calendar, under the heading 5.2.6 Computer Science and Physics Joint Major, amend the calendar entry as follows:

**“5.2.6 Computer Science and Physics Joint Major**

1. Chemistry 1050 and 1051 (or Chemistry 1010, 1011, and the former 1031).
2. Thirty-nine credit hours in Computer Science are required for the Joint Major: 4710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3731, 3754, 4770, 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 3731, plus 9 further credit hours in Computer Science courses numbered 3000 or higher, including at least three credit hours at the 4000 level.
3. Physics 1050 (or 1020) and 1051 plus at least 30 additional credit hours in Physics including 2053, 2055, 2750 (~~or 2056~~), 2820, 3220, 3400, 3500, ~~3550~~, 3750, ~~3900~~ 3800.
4. a. Mathematics 1000 and 1001.  
b. Mathematics 2000, 2050, 2260, 3202, ~~2320, 3260, and Statistics 2550.~~  
c. ~~Physics 3810 or Mathematics 3202.~~
5. Additional electives to bring the credit hours to 120.

Computer Science 2500 and Statistics 2550 are recommended.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses.”

Page 477, 2015-2016 Calendar, under the heading 5.2.7 Computer Science and Pure Mathematics Joint Major (B.Sc.Only), amend the calendar entry as follows:

**“5.2.7 Computer Science and Pure Mathematics Joint Major (B.Sc. Only)**

In addition to Mathematics 1000, 1001, and Computer Science ~~4710, 1000, 1001,~~ the following courses numbered 2000 or higher are required:

1. Computer Science ~~2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4770.~~ 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*.
2. ~~Six~~ Eighteen additional credit hours in Computer Science courses numbered 3000 or higher.
3. Mathematics 1000, 1001, 2000, 2050, 2051, 2130, 2320, 3000, 3202, 3260, 3320, 3340, and Statistics 2550.

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4. Nine additional credit hours in courses numbered 3000 or higher offered by the Department of Mathematics and Statistics, excluding Mathematics 3330.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

Page 477, 2015-2016 Calendar, under the heading 5.2.8 Computer Science and Statistics Joint Major (B.Sc.Only), amend the calendar entry as follows:

**"5.2.8 Computer Science and Statistics Joint Major (B.Sc. Only)**

The following courses are required:

1. Computer Science ~~1710, 2710, 2711, 2742, 2760, 3715, 3716, 3719, 3724, 3725, 3754, 4734, 4770.~~ 1000, 1001, 2001, 2002, 2003, 2004, 2005, 2006\*, 2007\*, 2008\*, 2500, 4734, plus 15 further credit hours in Computer Science courses numbered 3000 or higher.
2. Statistics 1510 or 2500 or 2550, and 2501 or 2560.
3. Mathematics 1000, 1001, 2000, 2050, 2051, 2320, 3340, Statistics 3410, 3411, 3520, 3521, 3540, 4590.
4. Nine further credit hours in Statistics courses numbered 3000 or higher including at least a 3 credit hour course numbered 4000 or higher excluding Statistics 4581.

Note: Courses marked with an asterisk (\*) are 1 credit-hour courses."

Page 114, 2015-2016 Calendar, under the heading 11.7.3 Major in Economics (B.A. or B.Sc.), amend the calendar entry as follows:

**"11.7.3 Major in Economics (B.A. or B.Sc.)**

...

9. B.Sc. students ...

c. Computer Science ~~1700~~ 1000, and an additional 3 credit hours of Computer Science. With the approval of the Head of the Department or delegate, students may substitute another 1000-level Computer Science course for Computer Science ~~1700~~ 1000. ~~Minors in Computer Science should enroll in Computer Science 1710.~~

..."

Page 116, 2015-2016 Calendar, under the heading 11.7.8.4 Registration and Evaluation of Performance, table Major in Economics (Co-

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operative Option) B.Sc. – Academic Course Program Table, amend the first row of the table as follows:

<b>Term 1 (Fall)</b>	<b>Work Term II (Spring)</b>
Computer Science <del>4700</del> <u>1000</u> Economics 3000 ...	Economics 399W

Page 116, 2015-2016 Calendar, under the heading 11.7.8.4 Registration and Evaluation of Performance, table Honours in Economics (Co-operative Option) B.Sc. – Academic Course Program Table, amend the first row of the table and Note 1 as follows:

<b>Term 1 (Fall)</b>	<b>Work Term II (Spring)</b>
Computer Science <del>4700</del> <u>1000</u> [see Note 1] ...	Economics 399W

Notes: 1. Another 1000-level Computer Science course may be substituted for Computer Science ~~4700~~ 1000 with the approval of the Department Head.  
..."

Page 103, 2015-2016 Calendar, under the heading 7.7.4 Course List, amend the calendar entry as follows:

Computer Science <del>4740</del> <u>1001</u>	...	...
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Page 172, 2015-2016 Calendar, under the heading 12.12 Geography, amend the calendar entry as follows:

**“4261 Advanced Methods in Geographic Information Systems (GIS)** explores the nature and use of advanced GIS algorithms, discrete and continuous data structures, computational methods and analysis of error for the purpose of analysing and modelling spatial patterns and processes. Laboratory exercises permit students to use GIS software to explore as well as develop problem solving and modelling skills for a wide variety of real world applications.

LH: 3

PR: GEOG 3260; Mathematics 2050; Computer Science ~~4740~~ 1001; (or equivalent, with permission of instructor and the Head of Department).”

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Page 485, 2015-2016 Calendar, under the heading 9.2.3.1 Major in Biology, amend the calendar entry to read as follows:

**“9.2.3.1 Major in Biology**

...

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science ~~2650~~ 1000 or 1600.

...”

Page 485, 2015-2016 Calendar, under the heading 9.2.3.2 Major in Biology (Cell and Molecular), amend the calendar entry as follows:

**“9.2.3.2 Major in Biology (Cell and Molecular)**

...

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science ~~2650~~ 1000 or 1600.

...”

Page 485, 2015-2016 Calendar, under the heading 9.2.3.3 Major in Biology (Ecology and Conservation), amend the calendar entry as follows:

**“9.2.3.3 Major in Biology (Ecology and Conservation)**

...

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science ~~2650~~ 1000 or 1600.

...”

Page 486, 2015-2016 Calendar, under the heading 9.2.3.4 Major in Biology (Marine), amend the calendar entry as follows:

**“9.2.3.4 Major in Biology (Marine)**

...

It is recommended, but not required, that a Computer Science course be included and the Department of Biology strongly recommends Computer Science ~~2650~~ 1000 or 1600.

...”

Page 513, 2015-2016 Calendar, under the heading 10.2 Biology, amend the calendar entry as follows:

Department of Computer Science (cont'd)

**“3951 Introduction to Bioinformatics** (same as Computer Science 3550) deals with the development and application of computational methods to address biological problems. The course will focus on the fundamental concepts, ideas and related biological applications of existing bioinformatics tools. This course will provide hands-on experience in applying bioinformatics software tools and online databases to analyze experimental biological data, and it will also introduce scripting language tools typically used to automate some biological data analysis tasks.

CR: Computer Science 3550

LH: 3

PR: BIOL 2060 or Biochemistry 2101, and one Computer Science course at the 1000-level or above excluding Computer Science 1400, or Computer Science 1600 and Computer Science 2000; or Computer Science 2500 or Computer Science ~~2710~~ 2001, and one Biology course at the 1000-level or above excluding BIOL 2040 and BIOL 2041; or permission of the course instructor”

Page 491, 2015-2016 Calendar, under the heading 9.3.6.1 Required Courses, amend the calendar entry as follows:

**“9.3.6.1 Required Courses**

...

4. Computer Science 1510, ~~1710~~, and ~~2710~~ and 1001.

5. Computer Science 2500 ~~or 2711~~ and 2001.

...”

Page 491, 2015-2016 Calendar, under the heading 9.3.6.2 Suggested Program of Study, amend the calendar entry as follows:

**“9.3.6.2 Suggested Program of Study**

...

5. Computer Science 1510 and ~~1710~~ 1001”

Page 491, 2015-2016 Calendar, under the heading 9.3.7.1 Required Courses, amend the calendar entry as follows:

**“9.3.7.1 Required Courses**

...

4. Computer Science 1510, ~~1710~~ and ~~2710~~ and 1001 .

5. Computer Science 2500 ~~or 2711~~ and 2001.

...”

Page 491, 2015-2016 Calendar, under the heading 9.3.7.2 Suggested Program of Study, amend the calendar entry as follows:

Department of Computer Science (cont'd)

**“9.3.7.2 Suggested Program of Study**

...

5. Computer Science 1510 and ~~4740~~ 1001”

Page 527, 2015-2016 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry as follows:

**“2130 Technical Writing in Mathematics** is a project oriented course combining mathematical investigation and technical writing. By using computer programming, graphical and typesetting tools, students will explore mathematical concepts and will produce technical reports of professional quality. The latter will combine elements of writing and graphics to convey technical ideas in a clear and concise manner.

PR: admission to Applied or Pure Mathematics major and MATH 1001 and (Computer Science 1510 or ~~4740~~ or ~~2710~~ or ~~2602~~ 1001 or 2001; or permission of the Head of Department)

~~UL: qualifies as a Research/Writing course in the Faculty of Arts~~

**3132 Numerical Analysis I** includes a discussion of round-off error, the solution of linear systems, iterative methods for nonlinear equations, interpolation and polynomial approximation, least squares approximation, fast Fourier transform, numerical differentiation and integration, and numerical methods for initial value problems.

CR: Computer Science 3731

LH: 1.5

PR: MATH 2000, MATH 2050, and a computing course (Computer Science 1510 is recommended)”

Page 500, 2015-2016 Calendar, under the heading 9.10.3 Honours in Physics, amend the calendar entry as follows:

**“9.10.3 Honours in Physics**

...

The Honours Physics program in and beyond the third year requires a familiarity with computer programming and numerical analysis. In choosing electives for this program, the Department recommends that students supplement the prescribed program with the following courses Computer Science ~~2602~~ and ~~3731~~ 2500 or 2510, and 3731 (or Mathematics 2130 and 3132).

...”

Page 503, 2015-2016 Calendar, under the heading 9.11.5 Requirements for a Major in Behavioural Neuroscience (B.Sc.Only), amend the calendar entry to read as follows:

Department of Computer Science (cont'd)

**“9.11.5 Requirements for a Major in Behavioural Neuroscience (B.Sc. Only)**

...

3. Eighteen credit ...

...

d. Computer Science: Any 2000, 3000, or 4000 level course except the former 2650 and 2801

...”

Page 270, 2015-2016 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

**“4424 Discrete Mathematics for Computer Engineering** is an introduction to discrete mathematics including a selection of topics such as propositional logic, introductory predicate logic, mathematical reasoning, induction, sets, relations, functions, integers, graphs, trees, and models of computation.

CR: the former ENGI 3422, Mathematics 2320, ~~or~~ Computer Science 1002, or the former Computer Science 2740.

OR: tutorial 1 hour per week

PR: Mathematics 2050”

49.29 School of Nursing

Page 430, 2015-2016 Calendar, under the heading 3 School Description, amend the calendar entry as follows:

**“3 School Description**

...

In collaboration with the Centre for Nursing Studies and Western Regional School of Nursing, Memorial University of Newfoundland School of Nursing ~~The School~~ offers an undergraduate degree program on campus to prepare entry-level nurses for practice. ~~and by distance for registered nurses with a diploma in nursing.~~ Graduate degrees in nursing, including the Doctor of Philosophy in Nursing and the Master of Nursing, are offered by the School of Graduate Studies.

...”

Page 431, 2015-2016 Calendar, following the section 3.2 Mission Statement, amend the calendar entry as follows:

**“3.3 Academic and Professional Ethics**

The MUN School of Nursing, Centre for Nursing Studies and Western Regional School of Nursing support the highest standards of academic and professional ethics. Ethical behaviour encompasses integrity,

School of Nursing (cont'd)

conduct, respect, and professionalism. It also means that students will take responsibility for their learning and pursue academic goals in an honest and engaged manner to reflect the principles, values, and expectations that are espoused as members of the Schools of Nursing and future nurse professionals.

**3.34 Accreditation Status and Approval Status**

**3.34.1 Accreditation Status**

The School of Nursing's Bachelor of Nursing (Collaborative) and the Bachelor of Nursing (Post-RN) Programs are accredited to ~~2015~~ 2022 and 2017 respectively, by the Canadian Association of Schools of Nursing (CASN). The seven year award achieved by these programs is the highest award given to Schools of Nursing in Canada. ~~CASN review of the Bachelor of Nursing (Collaborative) for ongoing accreditation is in progress.~~

**3.34.2 Approval Status**

The School of Nursing's Bachelor of Nursing (Collaborative) and the Bachelor of Nursing (Post-RN) Programs are approved by the Association of Registered Nurses of Newfoundland and Labrador (ARNNL). The ARNNL approval designation assures both the public and our students that these Programs prepare ethical entry-level practitioners who provide safe quality health care. ~~These~~ This program ~~prepares graduates to~~ prepares graduates to meet the requirements for licensure and professional practice as registered nurses in Newfoundland and Labrador.”

Page 431, 2015-2016 Calendar, under the heading 4 Description of Programs, amend the calendar entry to read as follows:

**“4 Description of Programs**

All courses of the School are designated by the abbreviation NURS.

**4.1 General**

~~The School of Nursing offers an undergraduate program leading to a Bachelor of Nursing to prepare entry-level nurses. To meet the licensing requirements for practising nursing in Canada, students must write the National Council Licensure Examination for Registered Nurses (NCLEX RN). To be eligible to write the NCLEX RN, candidates must graduate from an approved program offered by a School of Nursing and be recommended by the School of Nursing. In~~



### School of Nursing (cont'd)

~~order to be recommended for the NCLEX RN, a student must complete a comprehensive examination set by the Bachelor of Nursing (Collaborative) Program. All costs associated with these exams are the responsibility of the student.~~

~~The School of Nursing also offers an undergraduate program leading to a Bachelor of Nursing for nurses with a diploma in nursing. This Program is currently being phased out and is not available for new admissions.~~

#### **4.1.1 4.1 Bachelor of Nursing (Collaborative) Program**

The School of Nursing offers an undergraduate program leading to a Bachelor of Nursing. This four-year Program is designed to prepare competent entry-level nurses who will function within a variety of health care settings. The graduate is prepared to assume the roles of direct care giver, educator, counsellor, advocate, facilitator, coordinator of care, researcher, leader, and member of the nursing profession. This full-time Program is comprised of 130 credit hours. Please note, the last semester of the fourth year extends beyond the normal University semester end date. [Information moved to section 4.1.1 in proposal] The Program is guided by a mission, philosophy and conceptual framework which direct the curriculum as students progress toward that competent entry-level nursing practice.

The School of Nursing depends on the cooperation and involvement of a large number of organizations and professional personnel in providing quality clinical placements and instruction to its students. These agencies often have a range of requirements, some of which include a Certificate of Conduct, a Child Protection Record Check, immunizations, a First Aid Certificate, and a CPR certificate. Students unable to meet these agency requirements may be delayed in their program or prevented from completing their program of studies. All students are required to complete these requirements in a timely fashion and at their own expense. Many of these requirements must be updated annually.

In order to satisfy clinical practice requirements for the Bachelor of Nursing (Collaborative) Program, clinical agencies may be used 24 hours a day, seven days a week. Students may be required to attend during any of these times.

To meet the licensing requirements for practising nursing in Canada, students must graduate from an approved program offered by a School of Nursing and successfully write the National Council Licensure Examination for Registered Nurses (NCLEX-RN). To be eligible to

### School of Nursing (cont'd)

~~write the NCLEX RN, candidates must graduate from an approved program offered by a School of Nursing, and be recommended by the School of Nursing. In order to be recommended for the NCLEX RN, a student~~ During the program, students may be required to buy resources that are endorsed by the School to prepare for the exam and integrated into courses throughout the curriculum. In the final year of the Program, students must also complete a comprehensive examination set by the Bachelor of Nursing (Collaborative) Program. All costs associated with these resources and exams are the responsibility of the student.

The BN (Collaborative) Program has two full-time curriculum options. Both are guided by the same conceptual framework and leveled objectives. The Program also has an LPN Bridging admission option directly into the second year of the Program's four year option for prospective students who have completed a licensed practical nursing [LPN] program (see 5.3 Admissions).

This Program is offered at Memorial University of Newfoundland School of Nursing, the Centre for Nursing Studies, and the Western Regional School of Nursing. Information regarding MUN School of Nursing is available at <http://www.mun.ca/nursing/> Information about the Centre for Nursing Studies is available at [www.centrefornursingstudies.ca](http://www.centrefornursingstudies.ca), and information regarding the Western Regional School of Nursing is available at [www.grenfell.mun.ca/nursing](http://www.grenfell.mun.ca/nursing).

#### **4.1.1 Bachelor of Nursing (Collaborative) 4-Year Option**

The 4-Year Option is offered over nine semesters in four academic years. This option is comprised of 130 credit hours, and is open to applicants from both high school and university backgrounds. Please note, the Winter semester of the first, second and fourth years of the program extends beyond the normal University class end date in their respective semesters.

#### **4.1.1-12 Bachelor of Nursing (Collaborative) Fast Track Option**

The Fast-Track Option is ~~also designed to prepare competent entry-level nurses, however it is~~ geared to students with well-developed university-level study skills. This full-time Option is for current degree holders or those with advanced admission standing and is comprised of 94 credit hours. This ~~Option~~ option is offered over six consecutive semesters, i.e. two calendar years. Please note, the last semester of the second year ends later than the scheduled date on which the Spring semester ends. This Option is offered at Memorial University of

### School of Nursing (cont'd)

Newfoundland School of Nursing and Western Regional School of Nursing. Information regarding the Western Regional School of Nursing is available at [www.grenfell.mun.ca/nursing](http://www.grenfell.mun.ca/nursing).

#### **~~4.1.1.2 Bachelor of Nursing (Collaborative) LPN Bridging Option~~**

~~This Option recognizes the nursing knowledge and clinical experience obtained through the Centre for Nursing Studies Practical Nursing Program (2002 or later) and work experiences, and provides a career ladder for Licensed Practical Nurses (LPN's) who wish to obtain the Bachelor of Nursing degree.~~

~~Successful applicants must choose to complete a Bridging semester prior to admission to the Program.~~

~~The courses taken during the Bridging semester prepare LPN's to enter the second year of the degree Program.~~

~~The Bridging semester, completed before admission to the B.N. Program, is comprised of three non-nursing courses and a mathematics requirement as well as a 7 week Bridging course. Upon successful completion of the Bridging semester, LPN Bridging candidates are granted 25 unspecified transfer nursing credit hours as equivalent to the 25 credits of the Year 1 nursing courses in the Bachelor of Nursing (Collaborative) Program. If all courses of the Bridging semester are successfully completed, all non-academic requirements for entrance into the Program are complete, and candidates remain in good standing with the University, they are accepted into Year 2 of the Bachelor of Nursing (Collaborative) Program.~~

~~The LPN Bridging Option is offered at the Centre for Nursing Studies. Information regarding the Centre for Nursing Studies is available at [www.centrefor nursingstudies.ca/](http://www.centrefor nursingstudies.ca/).~~

#### **4.1.2 Bachelor of Nursing (Post-RN) Program**

~~The Bachelor of Nursing (Post-RN) Program is currently being phased out and is not available for new admissions. The Program will be discontinued August 2016.~~

#### **4.1.3 Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option**

~~The Bachelor of Nursing (Post-RN) Program is currently being phased out and is not available for new admissions."~~

School of Nursing (cont'd)

Page 433, 2015-2016 Calendar, under the heading 5 Admission/Readmission Regulations for the School of Nursing, amend the calendar entry as follows:

**“5 Admission/Readmission Regulations for the School of Nursing**

Applicants requiring additional information for the Bachelor of Nursing (Collaborative) Program may visit the Nursing Admissions website at [www.mun.ca/nursingadmissions/](http://www.mun.ca/nursingadmissions/). In addition to meeting the **UNIVERSITY REGULATIONS** students must meet the admission/readmission regulations for the School of Nursing.

**5.1 General Information**

1. Entry to the Bachelor of Nursing (Collaborative) Program ~~four year, Fast Track, and the LPN Bridging Options~~, is competitive for a limited number of seats positions. Meeting the minimum requirements for admission does not guarantee acceptance into the Program. The final decision on admission rests with the Joint Admissions Committee of the BN (Collaborative) Program.
2. Admission or readmission to the University does not necessarily constitute admission or readmission to the Program.
3. Selection of candidates for admission to the Bachelor of Nursing (Collaborative) Program, ~~the Fast Track and LPN Options~~ is based on academic performance, relevant work and volunteer experience, references and personal statements.
4. Selection of candidates for admission to the Bachelor of Nursing (Collaborative) Fast-Track Option is also based on:
  - a minimum grade point average of 3.0 on a 4 point scale in their degree program for applicants who have completed a bachelor degree; or a minimum overall grade point average of 3.0 on a 4 point scale in the twelve courses, 36 credit hours required for admission for applicants with advanced admission standing;
  - evidence of ability to successfully maintain a full course load, and;
  - other criteria considered suitable for professional practice in nursing.
5. ~~Selection of candidates for admission to the Bachelor of Nursing (Collaborative) LPN Bridging Option is based on: academic performance in the practical nursing program and in any university~~

School of Nursing (cont'd)

~~courses taken to date; evidence of ability to successfully maintain a full course load; and other criteria considered suitable for professional practice in nursing.~~

~~Admission to the program is denied to any student if, in the judgment of the Joint Admissions Committee, s/he is deemed unsuitable for admission.~~

~~Applicants must provide two letters of reference (one reference regarding academic performance and one from a current employer regarding clinical performance)~~

5. 6. Priority is given to applicants who are residents of Newfoundland and Labrador.

6. 7. ~~In addition to the regular quota positions, Up up~~ to three additional seats per year are available in the Bachelor of Nursing (Collaborative) ~~four year Program~~ 4-Year Option for applicants of Aboriginal ~~aboriginal~~ ancestry who have met the admission requirements. Applicants must send a letter of request at the time of application and provide documentation of Aboriginal ~~aboriginal~~ ancestry

7. 9. ~~Bachelor of Nursing (Collaborative) Fast Track and Bachelor of Nursing (Collaborative) LPN Bridging Option~~ Applicants may be requested to attend an interview.

8. Bachelor of Nursing (Collaborative) Program applicants are required to submit a student information form and a complete record of current immunizations when admitted to the Program. Students who have not met these requirements by the beginning of the Winter semester of Year 1 will not be permitted to progress in the program.

9. 10. Evidence of certification in Standard First Aid and Basic Life Support (CPR) level HCP, offered by The Canadian Red Cross or St. John Ambulance is required by all applicants prior to commencing clinical courses. Certification obtained from other organizations will be accepted if deemed equivalent by the School of Nursing.

**5.2 Application Forms and Deadlines**

1. The Bachelor of Nursing (Collaborative) Program ~~including the Fast Track Option (both options)~~ commences in the Fall semester. ~~The LPN Bridging Option begins in May.~~ The deadline for application to the Bachelor of Nursing (Collaborative) Program, four year and Fast Track Option is March 1st. ~~The deadline for application to the Bachelor of Nursing (Collaborative) Program LPN Bridging Option is February~~

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~~1st. The Bachelor of Nursing (Post-RN) Program is not available for new admissions.~~

2. The deadline for application to the Bachelor of Nursing (Collaborative) Program via the LPN Bridging Admission Option ~~option for admission~~ is February 1st.

3. Students applying for admission to Bachelor of Nursing (Collaborative) Program ~~and its Options~~ must, if not a current Memorial University of Newfoundland student, submit the Undergraduate Application for Admission/ Readmission to the University and supporting documents as specified on the application. The Memorial University of Newfoundland application for Admission/Readmission along with the Bachelor of Nursing (Collaborative) Program application is available at [www.mun.ca/become](http://www.mun.ca/become) . Additional information on applying is available at [www.mun.ca/nursingadmissions/Admission/HowtoApply/](http://www.mun.ca/nursingadmissions/Admission/HowtoApply/) . ~~Applicants to the LPN Bridging Option should submit a Memorial University of Newfoundland application for Admission/ Readmission for the Spring semester.~~

## **5.3 Admission Requirements to School Programs**

These regulations apply to the Bachelor of Nursing (Collaborative) Program ~~four year, 4-Year and Fast-Track and LPN Bridging Options~~. Applicants may apply for admission under the **Categories of Applicants, Admission Criteria and Other Information** outlined under *UNIVERSITY REGULATIONS - Admission/Readmission to the University (Undergraduate)*. In addition to meeting these regulations, applicants in the following categories, must meet the additional requirements as indicated below.

### **5.3.1 High School Applicants**

Applicants from High School may apply for admission only to the ~~four year Bachelor of Nursing (Collaborative)~~ 4-Year Option of the Bachelor of Nursing (Collaborative) Program.

1. High School applicants to the ~~Bachelor of Nursing (Collaborative)~~ 4-Year Option of the Bachelor of Nursing (Collaborative) Program must have completed a high school diploma, or its equivalent, as certified by the Department of Education of Newfoundland and Labrador and meet the general **Admission/Readmission** requirements of Memorial University of Newfoundland. High school courses must include the following or their equivalents:

Biology 2201

Biology 3201

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Chemistry 3202

English 3201

Math 3200 or 3201

Social Science or Modern Language (2 credits at 3000 level)

**5.3.2 Memorial University of Newfoundland Applicants**

Memorial University of Newfoundland applicants may apply for admission to either option of the Bachelor of Nursing (Collaborative) Program ~~including the Fast-Track and the LPN Bridging Options~~.

1. Bachelor of Nursing (Collaborative) ~~four-year Program~~ 4-Year Option applicants must have a high school diploma, or its equivalent, as certified by the Department of Education of Newfoundland and Labrador. Advanced High School Math is preferred and science courses must include:

- Biology 2201 and 3201 or their equivalents
- Chemistry 3202 or equivalent

2. Bachelor of Nursing (Collaborative) Fast-Track Option applicants must have successfully completed an undergraduate degree from a recognized university and the following courses prior to admission:

- Statistics 2500 or equivalent, or Education 2900
- Biochemistry 1430 or an equivalent 3-credit university course in Biochemistry
- Biology 3053 or an equivalent 3-credit university course in Microbiology or qualify for advanced admission standing. An applicant who has successfully completed all the non-nursing course requirements of the Bachelor of Nursing (Collaborative) Program, and who is in good standing, may qualify for advanced admission standing. Applicants must demonstrate successful completion of a minimum of the following 12 courses, 36 credit hours prior to admission:
- 6 courses, 18 credit hours as follows: 6 credit hours from English, Biochemistry 1430 or equivalent, Biology 3053 or equivalent, Psychology 1000 or equivalent, Statistics 2500 or equivalent or Education 2900;
- 4 courses, 12 credit hours as follows: 3 credit hours from each of the following: Business, Philosophy 2500-2599 or Religious Studies 2610, Political Science, and Sociology, Anthropology, or Archaeology; and
- 2 courses, 6 additional elective credit hours selected from any credit courses offered by this University.

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**5.3.3 LPN Bridging Applicants**

Applicants with a Licensed Practical Nurse designation may apply for admission to the Bachelor of Nursing (Collaborative) Program through the LPN Bridging Option. This admission option recognizes the nursing knowledge and clinical experience obtained through the Centre for Nursing Studies Practical Nursing Program (2002 or later) and work experiences, and provides a career ladder for Licensed Practical Nurses (LPN's) who wish to obtain the Bachelor of Nursing degree.

Successful applicants must complete a Bridging semester prior to admission to the Program.

The courses taken during the Bridging semester prepare LPN's to enter the second year of the 4-Year Option of the Bachelor of Nursing (Collaborative) Program.

The Bridging semester, completed before admission to the Bachelor of Nursing (Collaborative) Program, is comprised of three non-nursing courses and a mathematics requirement as well as a 7-week Bridging course. Upon successful completion of the Bridging semester, LPN Bridging candidates are granted 25 unspecified transfer nursing credit hours as equivalent to the 25 credits of the Year 1 nursing courses in the Bachelor of Nursing (Collaborative) Program. If all courses of the Bridging semester are successfully completed, all non academic requirements for entrance into the Program are complete, and candidates remain in good standing with the University, they are accepted into Year 2 of the Bachelor of Nursing (Collaborative) Program 4-Year Option.

The LPN Bridging option is offered only at the Centre for Nursing Studies. Information regarding the Centre for Nursing Studies is available at [www.centrefor nursing studies.ca/](http://www.centrefor nursing studies.ca/).

1. The LPN Bridging semester begins in May. The deadline for application to the Program through the LPN Bridging option is February 1<sup>st</sup>. Applicants to the LPN Bridging option should submit a Memorial University of Newfoundland application for Admission\Readmission for the Spring semester.
2. Selection of candidates for admission to the Bachelor of Nursing (Collaborative) LPN Bridging Option is based on:
  - academic performance in the practical nursing program and in any university courses taken to date;
  - evidence of ability to successfully maintain a full course load;
  - and



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- other criteria considered suitable for professional practice in nursing.
- 3. Applicants must provide two letters of reference (one reference regarding academic performance and one from a current employer regarding clinical performance)
- 4. LPN Bridging option applicants may be requested to attend an interview.

To be considered for admission to the Bachelor of Nursing (Collaborative) Program, LPN Bridging Option applicants must:

- be a graduate (2002 or later) of the Centre for Nursing Studies Practical Nursing Program, Province of Newfoundland and Labrador;
- be a Licensed Practical Nurse (copy of certification required);
- meet the admission requirements for the Bachelor of Nursing (Collaborative)  
Program listed under **Admission/Readmission Regulations for the School of Nursing**; and have completed the following high school courses:  
Biology 2201 and  
3201 or their equivalents and Chemistry 3202 or equivalent.

Admission into the second year of the Bachelor of Nursing (Collaborative) Program will be conditional and based on successful completion of the Bridging semester, which includes the following:

- Bridging Course (offered only at the Centre for Nursing Studies)
- Biochemistry 1430
- Psychology 1000 or equivalent
- English (3 credit hours)
- Math 102N if applicant has not obtained a score of at least 50% on the Mathematics Placement Test, or completed Advanced Math in High School with a final grade of at least 75% or 3 credit hours in university level Mathematics (excluding Statistics 2500 and equivalents).

The Bachelor of Nursing (Collaborative) LPN Bridging Option requires 130 credit hours.

- Upon successful completion of the Bridging Semester and admission to the Bachelor of Nursing (Collaborative) Program (See Table 1), LPN Bridging students will be granted 25 transfer credits as equivalent to the Year 1 nursing courses of the Bachelor of Nursing (Collaborative) 4-Year Option.

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- Non-nursing courses in Year 1 of the Bachelor of Nursing (Collaborative) Program (9 credit hours) must be completed prior to or as part of the Bridging Semester.
- After admission into the Bachelor of Nursing (Collaborative) Program, students complete the 69 NURS credit hours and 27 non-NURS credit hours of Years 2 through 4 of the 4-Year Option as part of the 4-Year Option cohort. The courses are recommended to be taken in the academic terms in the sequence as set out in Table 3, Bachelor of Nursing (Collaborative) Program - Centre For Nursing Studies (CNS), [Academic Terms 3-9].

**Table 1 Sequence for LPN Bridging Admission Option**

<u>Application to LPN Bridging Admission Option [Winter]</u>		
<u>Courses Required</u>	<u>Bridging Course</u>	
<u>Prior to Admission</u>	<u>Biochemistry 1430</u>	
	<u>3 credit hours in English</u>	
<u>[Spring Term]</u>	<u>Psychology 1000</u>	
	<u>Mathematics Placement</u>	
	<u>Test or</u>	
	<u>Mathematics 102N (*if</u>	
	<u>applicable)</u>	
<u>Admission to the Bachelor of Nursing(Collaborative) Program</u>		
<u>Year 2</u>		
<u>Course sequencing as per Years 2 through 4 of Four Year Option</u>		
<u>at CNS (Table 3)</u>		

**5.3.4 Registered Nurse Designation Applicants**

The Bachelor of Nursing (Post RN) Program is being phased out and is no longer accepting new admissions. The Program will be discontinued August 2016.

**5.3.54 Transfer Applicants**

Transfer applicants may apply for admission to any of the School of Nursing Programs. Applicants wishing to transfer from a nursing program that is offered outside of this Province should view the information at [www.mun.ca/nursingadmissions/TransferringStudents/](http://www.mun.ca/nursingadmissions/TransferringStudents/).

1. Bachelor of Nursing (Collaborative) ~~four-year~~ Program 4-Year Option applicants must have a high school diploma, or its equivalent, as certified by the Department of Education of Newfoundland and Labrador. Advanced High School Math is preferred and science courses must include:

Biology 2201 and 3201 or their equivalents

Chemistry 3202 or equivalent

School of Nursing (cont'd)

2. Bachelor of Nursing (Collaborative) Program Fast-Track Option applicants must have successfully completed an undergraduate degree from a recognized university and the following courses prior to admission:

- Statistics 2500 or equivalent, or Education 2900
  - Biochemistry 1430 an equivalent 3-credit university course in Biochemistry
  - Biology 3053 or an equivalent 3-credit university course in Microbiology
- or qualify for advanced admission standing. An applicant who has successfully completed all the non-nursing course requirements of the Bachelor of Nursing (Collaborative) Program 4-Year Option, and who is in good standing, may qualify for advanced admission standing. Advanced admission standing applicants must demonstrate successful completion of the following 12 courses, 36 credit hours prior to admission:
- 6 courses, 18 credit hours as follows: 6 credit hours from English, Biochemistry 1430 or equivalent, Biology 3053 or equivalent, Psychology 1000 or equivalent, Statistics 2500 or equivalent or Education 2900;
  - 4 courses, 12 credit hours as follows: 3 credit hours from each of the following: Business, Philosophy 2500-2599 or Religious Studies 2610, Political Science, and Sociology, Anthropology, or Archaeology; and
  - 2 courses, 6 additional elective credit hours selected from any credit courses offered by this University.

~~3. Bachelor of Nursing (Post-RN) Program applicants must provide: proof of practising Registered Nurse (RN) license. For the purposes of admission a RN is a Nurse who is currently registered in Newfoundland and Labrador or eligible to register in Newfoundland and Labrador, or is currently registered or eligible for registration in the province/country in which the applicant resides; and one letter of reference from a current supervisor of nursing position.~~

~~4. The Bachelor of Nursing (Post-RN) Program is currently being phased out and is not available for new admissions.~~

~~5. The Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option is being phased out and is not available for new admissions.~~

**5.4 Other Information**

1. Applicants seeking clinical placements outside of Canada must satisfy the clinical agency's immunization requirements submitting

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documentation of its requirements to that agency at least one month in advance of the start of the semester in which the course will be taken.

2. Applicants seeking clinical placements within Canada must satisfy the School of Nursing agency requirements. Documents related to agency requirements must be submitted to the Office of the Registrar in advance of the start of registration for the semester in which the course will be taken.”

Page 435, 2015-2016 Calendar, under the heading 6 Program Regulations – General Degrees, amend the calendar entry as follows:

**“6 Program Regulations - General Degrees**

**6.1 Bachelor of Nursing (Collaborative) Program 4-Year Option**

The four year, 130 credit hour Bachelor of Nursing (Collaborative) Program option requires 94 NURS credit hours and 36 non-NURS credit hours. The 130 credit hours are recommended to be taken in the academic terms in the sequence as set out in **Table 2, 3 or 4 Bachelor of Nursing (Collaborative) Program 4-Year Option**. These courses will be offered during the same year at all sites, but the semester of course offering may vary with each site.

Clinical course hours may occur at any time during the semester. Clinical courses may be offered in whole or in part outside the normal start and end dates of a semester.

Selected nursing courses which are designed for the Bachelor of Nursing (Post-RN) Program may be used as electives in the Bachelor of Nursing (Collaborative) Program with permission of the Committee on Undergraduate Studies and the course instructor.

**Table 12 Bachelor of Nursing (Collaborative) Program 4-Year Option - Memorial University of Newfoundland School of Nursing (MUNSON)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Fall Academic Term1	Biochemistry 1430 3 credit hours in English NURS 1002 NURS 1003 NURS 1004	6 credit hours in total chosen from any academic unit must be completed in any Academic Term or during a Spring semester.
Winter Academic Term 2	NURS 1012 NURS 1014 NURS 1015 NURS 1016	

	NURS 1017 NURS 1520 Psychology 1000	
Fall Academic Term 3	NURS 2003 NURS 2004 NURS 2014 NURS 2514 Statistics 1510, or 2500 or equivalent, or Education 2900	
Winter Academic Term 4	Biology 3053 3 credit hours in English NURS 2002 NURS 2017 NURS 2502 NURS 2520 3 credit hours in any one of Anthropology, Archaeology, or Sociology	
Fall Academic Term 5	NURS 3012 NURS 3014 NURS 3104 NURS 3513 NURS 3514	
Winter Academic Term 6	3 credit hours in Business NURS 3001 NURS 3113 NURS 3501 3 credit hours chosen from Philosophy 2500-2599 or Religious Studies 2610	
Spring Academic Term 7	NURS 3523	
Fall Academic Term 8	NURS 4103 NURS 4501 NURS 4515 3 credit hours in Political Science	
Winter Academic Term 9	NURS 4512 NURS 4516	

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**Table 23 Bachelor of Nursing (Collaborative) Program 4-Year Option - Centre For Nursing Studies (CNS)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Fall Academic Term 1	Biochemistry 1430 3 credit hours in English NURS 1002 NURS 1003 NURS 1004	6 credit hours in total chosen from any academic unit must be completed in any Academic Term or during a Spring semester.
Winter Academic Term 2	NURS 1012 NURS 1014 NURS 1015 NURS 1016 NURS 1017 NURS 1520 Psychology 1000	
Fall Academic Term 3	3 credit hours in English NURS 2002 NURS 2003 NURS 2004 NURS 2502	
Winter Academic Term 4	Biology 3053 NURS 2014 NURS 2017 NURS 2514 NURS 2520 3 credit hours in any one of Sociology or Anthropology or Archaeology Statistics 1510, or 2500 or equivalent, or Education 2900	
Fall Academic Term 5	NURS 3001 NURS 3012 NURS 3104 NURS 3501 3 credit hours chosen from Philosophy 2500-2599 or Religious Studies 2610	
Winter Academic Term 6	3 credit hours in Business	

	NURS 3014 NURS 3113 NURS 3513 NURS 3514	
Spring Academic Term 7	NURS 3523	
Fall Academic Term 8	NURS 4103 NURS 4501 NURS 4515 3 credit hours in Political Science	
Winter Academic Term 9	NURS 4512 NURS 4516	

**Table 34 Bachelor of Nursing (Collaborative) Program 4-Year  
Option - Western Regional School of Nursing WRSON)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Fall Academic Term 1	3 credit hours in English NURS 1002 NURS 1003 NURS 1004 NURS 1017 Psychology 1000	6 credit hours in total chosen from any academic unit must be completed in any Academic Term or during a Spring semester.
Winter Academic Term 2	Biochemistry 1430 NURS 1012 NURS 1014 NURS 1015 NURS 1016 NURS 1520	
Fall Academic Term 3	3 credit hours in English NURS 2002 NURS 2003 NURS 2004 NURS 2502	
Winter Academic Term 4	Biology 3053 NURS 2014 NURS 2017 NURS 2514 NURS 2520 3 credit hours in any one of Sociology or Anthropology or Archaeology Statistics 1510, or	

	2500 or equivalent, or Education 2900	
Fall Academic Term 5	3 credit hours in Business NURS 3014 NURS 3104 NURS 3514 3 credit hours chosen from Philosophy 2500-2599 or Religious Studies 2610	
Winter Academic Term 6	NURS 3001 NURS 3012 NURS 3113 NURS 3501 NURS 3513	
Spring Academic Term 7	NURS 3523	
Fall Academic Term 8	NURS 4103 NURS 4501 NURS 4515 3 credit hours in Political Science	
Winter Academic Term 9	NURS 4512 NURS 4516	

### 6.1.1 Bachelor of Nursing (Collaborative) Fast-Track Option

The Bachelor of Nursing (Collaborative) Fast-Track Option is offered at Memorial University of Newfoundland School of Nursing and the Western Regional School of Nursing.

The 94 credit hours may be taken in the academic terms as set out in **Table 45 Bachelor of Nursing (Collaborative) Fast-Track Option**. NURS 2002 and 2502 run over the first six weeks and NURS 3012 and 3512 run over the second six weeks. NURS 2514 and 3514 run consecutively for 6 weeks each.

Clinical Courses may be offered in whole or in part outside the normal start and end dates of a semester. In the last semester of the Fast Track Option, the last clinical course will finish outside of the end date of Summer semester and may finish as late as the 3<sup>rd</sup> week in September. Students will be informed of the pertinent dates of clinical courses two semesters in advance.



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**Table 45 Bachelor of Nursing (Collaborative) Fast-Track Option**

<b>Term</b>	<b>Required Courses</b>
Fall Academic Term 1	NURS 1002 NURS 1003 NURS 1004 NURS 1015 NURS 1016 NURS 1017
Winter Academic Term 2	NURS 1012 NURS 1014 NURS 1520 NURS 2003 NURS 2004
Spring Academic Term 3	NURS 2002 NURS 2502 NURS 2520 NURS 3012 NURS 3512
Fall Academic Term 4	NURS 2514 NURS 3014 NURS 3104 NURS 3514 NURS 4101 NURS 4103
Winter Academic Term 5	NURS 3001 NURS 3113 NURS 4502 NURS 4512 NURS 4515
Spring Academic Term 6	NURS 3523 NURS 4516

**6.1.2 Bachelor of Nursing (Collaborative) LPN Bridging Option**

~~The Bachelor of Nursing (Collaborative) LPN Bridging Option is only offered at the Centre for Nursing Studies~~

~~The Bachelor of Nursing (Collaborative) LPN Bridging Option requires 130 credit hours:~~

- ~~• Upon successful completion of the Bridging Semester and admission to the Bachelor of Nursing (Collaborative) Program, LPN Bridging students will be granted 25 transfer credits as equivalent to the Year 1 nursing courses.~~
- ~~• Non-nursing courses in Year 1 of the Bachelor of Nursing (Collaborative) Program (9 credit hours) must be completed prior to or as part of the Bridging Semester.~~

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- After admission, into the Bachelor of Nursing (Collaborative) Program, students complete 69 NURS credit hours and 27 non-NURS credit hours.

The courses are recommended to be taken in the academic terms in the sequence as set out in **Table 2, Bachelor of Nursing (Collaborative) Program – Centre For Nursing Studies (CNS), Academic Terms 3-9**, and **Table 5 Bachelor of Nursing (Collaborative) LPN Bridging Option**.

Selected nursing courses which are designed for the Bachelor of Nursing (Post-RN) Program may be used as electives in the Bachelor of Nursing (Collaborative) Program with permission of the Committee on Undergraduate Studies and the course instructor.

**Table 5 Bachelor of Nursing (Collaborative) Program LPN Bridging Option**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Courses Required Prior to Admission	Bridging Course Biochemistry 1430 3-credit hours in English Psychology 1000 Mathematics Placement Test or Mathematics 102N or 3-credits in Mathematics	
Admission to the Bachelor of Nursing (Collaborative) Program Year 2		
Fall Academic Term 1	3-credit hours in English NURS 2002 NURS 2003 NURS 2004 NURS 2502	
Winter Academic Term 2	Biology 3053 NURS 2014 NURS 2017 NURS 2514 NURS 2520 3-credit hours in any one of Sociology or Anthropology or Archaeology	

	Statistics 1510 or 2500 or equivalent, or Education 2900	
Fall Academic Term 3	NURS 3001 NURS 3012 NURS 3104 NURS 3501 3 credit hours chosen from Philosophy 2500-2599 or Religious Studies 2610	
Winter Academic Term 4	3 credit hours in Business NURS 3014 NURS 3113 NURS 3513 NURS 3514	
Spring Academic Term 5	NURS 3523	
Fall Academic Term 6	NURS 4103 NURS 4501 NURS 4515 3 credit hours in Political Science	
Winter Academic Term 7	NURS 4512 NURS 4516	

## **~~6.2 Bachelor of Nursing (Post-RN) Program~~**

The Bachelor of Nursing (Post-RN) Program is currently being phased out and is not available for new admissions. The Program will be discontinued August 2016.

1. ——— The 108 credit hour Bachelor of Nursing (Post-RN) Program requires 42 NURS credit hours, 21 non-NURS credit hours, and 45 unspecified transfer NURS credit hours awarded on the basis of successful completion of a diploma program in Nursing.
2. ——— The Committee on Undergraduate Studies, School of Nursing, may recommend that a maximum of 6 transfer credits be awarded for certain post basic nursing courses/programs or for current Canadian Nurses Association certification.
3. ——— Students are required to have a current, practising licence in the jurisdiction in which they plan to complete courses with a clinical component.

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**Table 6 Bachelor of Nursing (Post-RN) Program**

<b>Required Courses</b>	<b>Elective Courses</b>
3 credit hours in English NURS 2040 NURS 2230 NURS 2700 NURS 2740 NURS 3023 NURS 4002 NURS 4010 NURS 4310 NURS 4701 NURS 4702 NURS 4754 NURS 5210 NURS 5220 NURS 5700 3 credit hours chosen from Philosophy 2500-2599, or Religious Studies 2610 3 credit hours chosen from Statistics 2500 (or equivalent), or Education 2900	12 credit hours of which 6 should be at the 2000 level or above

**6.3 Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option**

The Bachelor of Nursing (Post-RN) Program is currently being phased out and is not available for new admissions.

1. — The 111 credit hour Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option requires 57 NURS credit hours, 45 unspecified transfer credits in NURS, and 9 non-NURS credit hours.
2. — The 111 credit hours shall be taken in the academic terms in the sequence as set out in **Table 7 Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option Two Year Plan (Full-Time)** or **Table 8, Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option Four Year Plan (Part-Time)**.
3. — Nurse Practitioner courses may be offered in whole or in part outside the normal start and end dates of a semester.
4. — 9 elective credit hours comprised of 3 credit hours in English, Statistics 2500 or equivalent of Education 2900 and 3 credit hours from Philosophy 2500-2599 or Religious Studies 2610 are recommended to be completed prior to required courses in both

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full-time and part-time options as indicated in **Table 7 Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option Two Year Plan (Full-Time)** and **Table 8, Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option Four Year Plan (Part-Time)**.

**Table 7—— Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option Two Year Plan (Full-Time)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Fall Academic Term 1	NURS 2700 NURS 2740 NURS 3070 NURS 3380	3 credit hours in English which is recommended to be completed prior to required courses
Winter Academic Term 2	NURS 3023 NURS 3410 NURS 4002 NURS 4701	Statistics 2500 or equivalent of Education 2900 which is recommended to be completed prior to required courses
Spring Academic Term 3	NURS 2230 NURS 4010 NURS 5700	3 credit hours from Philosophy 2500-2599 or Religious Studies 2610 which is recommended to be completed prior to required courses
Fall Academic Term 4	NURS 3430 NURS 4310 NURS 4370	
Winter Academic Term 5	NURS 5360 NURS 5600	
Spring Academic Term 6	NURS 5370	

**Table 8—— Bachelor of Nursing (Post-RN) Nurse Practitioner Primary Health Care Option (Part-Time)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Fall Academic Term 1	NURS 2700	3 credit hours in English which is recommended to be completed prior to required courses
Winter Academic Term 2	NURS 3023	Statistics 2500 or equivalent or Education 2900 which is recommended to be completed prior to required courses
Spring Academic	NURS 2230	3 credit hours from Philosophy 2500-2599 or

Term 3		Religious Studies 2610 which is recommended to be completed prior to required courses
Fall Academic Term 4	NURS 2740	
Winter Academic Term 5	NURS 4002 NURS 4701	
Spring Academic Term 6	NURS 4010	
Fall Academic Term 7	NURS 3430 NURS 4310	
Winter Academic Term 8	NURS 3070 NURS 3380 NURS 3410	
Spring Academic Term 9	NURS 4370 NURS 5700	
Fall Academic Term 10	NURS 5360 NURS 5600	
Winter Academic Term 11	NURS 5370	

Page 441, 2015-2016 Calendar, under the heading 7 Promotion Regulations, amend the calendar entry as follows:

**“7 Promotion Regulations**

~~These regulations apply to all programs except as noted below.~~

1. The Memorial University of Newfoundland School of Nursing constitutes the examining body for all School of Nursing examinations. The standing of every student will be assessed at the end of each academic semester ~~by the Committee on Undergraduate Studies~~, and a grade report will be issued by the University Registrar to the individual student.
2. Students are required to achieve a grade of at least 65% or a grade of PAS as appropriate in each of the required nursing courses.

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3. Except in the Bachelor of Nursing (Collaborative) Fast-Track Option, students failing to achieve the requirements outlined above are permitted to repeat the given nursing course only once. A second failure in a given nursing course will result in withdrawal from the program. ~~A student in the Fast Track Option who fails a course is required to withdraw from the Fast Track Option. In the Bachelor of Nursing (Collaborative) Fast Track Option students may be permitted, with special permission from the Dean/Directors, to resume studies within the four year stream of the Bachelor of Nursing (Collaborative) Program and are subject to all its academic standards. Accordingly, invoking this clause carries over to the Bachelor of Nursing (Collaborative) Program as a first failure in the relevant course(s).~~
4. A student in the Fast-Track Option who fails a course is required to withdraw from the Fast-Track Option. In the Bachelor of Nursing (Collaborative) Fast-Track Option students may be permitted, with special permission from the Dean/Directors, to resume studies within the four year option of the Bachelor of Nursing (Collaborative) Program and are subject to all its academic standards. Accordingly, a failed course in the Fast Track Option carries over to the 4-Year Option of the Bachelor of Nursing (Collaborative) Program as a first failure in the relevant course(s).
- ~~4.5.~~ Failure in excess of two nursing courses during the program will result in withdrawal from the Bachelor of Nursing (Collaborative) Program. ~~— four year Program, the Bachelor of Nursing (Collaborative) LPN Bridging Option, or the Bachelor of Nursing (Post RN) Program, or the Bachelor of Nursing (Post RN) Nurse Practitioner Primary Health Care Option.~~
- 5.6 Students who are required to withdraw from the Bachelor of Nursing (Collaborative) 4-Year Option. ~~four year Program, the Bachelor of Nursing (Collaborative) LPN Bridging Option, or the Bachelor of Nursing (Post RN) Program,~~ as outlined above in the two preceding clauses, may appeal for readmission to the School of their original admission after a lapse of two semesters by writing to the Chair, Committee on Undergraduate Studies. Applicants must submit a completed Readmission Application Form by March 1 for Fall readmission and October 1 for Winter or Spring readmission. Students who are required to withdraw from the program a second time will not be eligible for future admission/readmission to the program.
7. Students who are required to withdraw from the program a second time will not be eligible for future admission/readmission to the program.
- 6.8 A student may be required to withdraw from a nursing course with a clinical component or from the program at any time, on the

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recommendation of the Committee on Undergraduate Studies of the School, if the student is deemed unlikely to profit from continued attendance in the nursing course or program and/or is deemed unsafe in a clinical setting. This clause could also be applied to students who display unethical or unprofessional behavior in classroom, lab or clinical settings. Students who are required to withdraw from the program for any of these reasons will not be eligible for future admission/readmission to the program or the School of Nursing.

~~7.9~~ Students who fail to complete a nursing course in any program, other than the Bachelor of Nursing (Post RN) Program, for a period of three consecutive semesters will be considered to have withdrawn from the program. ~~Students who have not completed a course in the Bachelor of Nursing (Post RN) Program within the last 6 consecutive semesters will be considered to have withdrawn from the program and must apply for re-admission. Students in the Bachelor of Nursing (Post RN) Nurse Practitioner Primary Health Care Option who fail to complete a nursing course will be considered to have withdrawn from the program and must apply for readmission.~~

~~8~~10. Students in the Bachelor of Nursing (Collaborative) Program and its Options who wish to take a leave of absence from the program may do so only with the written permission of the Dean or delegate. A leave will be granted for a maximum period of three consecutive semesters. Students on leave who plan to resume their studies must notify the Dean/Director in writing one semester prior to registration.

~~9~~11. Students in the Bachelor of Nursing (Collaborative) Program and its Options who voluntarily withdraw from the program prior to the conclusion of the first semester of the first year and who wish to return to the program must re-apply in competition as a new applicant.

~~10~~12. Students in the Bachelor of Nursing (Collaborative) Program and its Options who voluntarily withdraw from the program, at the conclusion of the first semester of the program, or later, and who wish to return to the program, must appeal for readmission. The letter of appeal must be directed to the Chair, Committee on Undergraduate Studies at the School of their original admission.

~~11~~13. Students in the Bachelor of Nursing (Collaborative) Program and its Options who are readmitted following a period of absence, either as a result of a leave of absence or a withdrawal from the program, upon the recommendation of the Committee on Undergraduate Studies may be required to do remedial work, which can include repeating clinical, laboratory, or classroom courses, or repeating one or more terms of the program. Students will be advised of their remedial program at the time of



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readmission. All remedial work must be successfully completed before a student will be permitted to proceed in the program.”

Page 442, 2015-2016 Calendar, under the heading 10 Supplementary Examinations, amend the calendar entry as follows:

**“10 Supplementary Examinations**

...

7. Supplementary exams are not available for the Nursing Bridging Course offered at the Centre for Nursing Studies prior to entering the second year of the Bachelor of Nursing (Collaborative) Program. Students who are unsuccessful in the Bridging Course and who wish to enter the Bachelor of Nursing (Collaborative) Program ~~must~~ may apply in competition to enter into the first year of the program.”

Page 442, 2015-2016 Calendar, under the heading 11 Appeal of Regulations, amend the calendar entry to read as follows:

**“11 Appeal of Regulations**

1. An applicant who has been denied admission to the BN (Collaborative) Program has the right to appeal this decision of the Joint Admissions Committee if it is felt by the applicant that the decision was reached on grounds other than those outlined under **Admission//Readmission Regulations for the School of Nursing**. The appeal should be made in writing within fourteen days of the notification of the decision and should be directed to the Chair of the Undergraduate Studies Committee at Memorial University of Newfoundland School of Nursing, ~~Committee on Undergraduate Studies~~. The letter should state clearly and fully the grounds for the appeal.

2. Any student whose request for waiver of School regulations has been denied has the right to appeal. For further information refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Appeal of Decisions.**”

Page 442, 2015-2016 Calendar, under the heading 12 Course Descriptions, amend the calendar entry as follows:

**“12 Course Descriptions**

**All courses specific to the Bachelor of Nursing (Post-RN) Program or Bachelor of Nursing (Post-RN) Primary Health Care Nurse**

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**Practitioner Option have been removed from this list. As of September 2016, both programs will no longer be offered at MUN.**

In accordance with Senate's *Policy Regarding Inactive Courses*, course descriptions for courses which have not been offered in the previous three academic years and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the Dean of the School.

All courses of the School are designated by NURS.

**2004 Pharmacology and Nutritional Therapies** explores principles and concepts of pharmacological, nutritional and complementary therapies and management of common health problems across the lifespan. Nursing considerations and psychomotor competencies pertinent to these therapies are addressed.

CO: NURS 1012 and NURS 1014

LH: 2

PR: NURS 1012, NURS 1014, NURS 1017, Biochemistry 1430 or equivalent, and completion of Advanced Math in High School with a final grade of at least 75%, or a score of at least 50% on the Mathematics Placement Test, or Math 102N, or 3 credit hours in Mathematics excluding Statistics 2500 or equivalent.

~~**2040 Health Assessment** focuses on the development of competencies needed to assess the health status of individuals. A systematic approach will be used for the collection and analysis of data related to the health status of the client. Interpretation of the health assessment findings and of the results of diagnostic tests will be discussed in the context of nurses' responsibilities.~~

~~CR: NURS 1014~~

~~PR: proof of current practising license as a Registered Nurse~~

~~**2230 Teaching/Learning** is designed to familiarize the student with theories, principles and methods of learning and teaching and to allow the student to apply them in client teaching situations.~~

~~PR: proof of current practising license as a Registered Nurse or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

**2514 Community Health Nursing Practice I** provides the student with the opportunity to apply knowledge and practise competencies for beginning community health nursing practice acquired in Community Health Nursing Theory.

CO: NURS 2014 or NURS 4101

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OR: 96 clinical hours during the semester

PR: NURS 1520

~~**2700 Nursing Theories in Practice** is designed to introduce the students to the key concepts, conceptual models and selected theories of nursing. This is a required course for the Bachelor of Nursing (Post-RN) Program and may be used as an elective in the **Bachelor of Nursing (Collaborative) Program.**~~

~~PR: proof of current practising license as a Registered Nurse or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**2740 Current Concepts in Human Physiology** is a comprehensive review of the physiology of the cell and major body systems. It assumes a basic understanding of physiology and provides the basis for concepts developed in NURS 4701 and NURS 4702.~~

~~PR: proof of current practising license as a Registered Nurse or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**2990 Spiritual Dimension of Nursing Practice** will focus on the spiritual dimension of nursing practice. Students will explore their own personal spiritual philosophy and development. Key concepts of the spiritual dimension of nursing will be examined, such as spiritual wellbeing, spiritual needs, spiritual distress and spiritual care. Distinction will be made between religion and expressions of spirituality.~~

~~PR: NURS 1004 or the former NURS 1001, and 1014 or be a Registered Nurse~~

~~**2991 Complementary and Alternative Health Care** provides an overview of the philosophy and practice of complementary and alternative health care (CAHC). It introduces students to key terminology and theoretical perspectives foundational to selected CAHC modalities. Using a holistic approach and research principles, they will examine some commonly used CAHC approaches. They will also explore situations where integrative health care incorporates biomedical, complementary and alternative modalities.~~

~~**3023 Counselling** focuses on the counselling role of the nurse, building on the communication skills needed for a therapeutic relationship. Gerard Egan's model of helping is integral to the course. In the lab component of the course and in the course assignments, students have the opportunity to practice counselling skills to enhance their ability to counsel clients in a variety of nursing contexts.~~

~~LH: 14 hours during the semester~~

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~~PR: acceptance into the Bachelor of Nursing (Post-RN) Program, NURS 2230 or NURS 2700 or admission to the Bachelor of Technology Program or admission to the Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option~~

~~**3070 Health Assessment Across the Lifespan** focuses on the development of competencies and assessment skills necessary for the completion and documentation of a comprehensive health assessment. Common physical alterations and developmental issues that may impact on client status and findings across the lifespan will be incorporated. Students are required to attend St. John's Campus for laboratory sessions.~~

~~CO: NURS 3380~~

~~CR: NURS 2040~~

~~PR: proof of a current practising license as a Registered Nurse.~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

**3104 Nursing Research** builds on previously introduced research concepts. It explores the research process and its inherent ethical and legal implications. The course focuses on the acquisitions of concepts used to critically appraise nursing research studies and examines the relevance of these studies for nursing practice.

CO: [Statistics 1510 or 2500 or equivalent, or Education 2900](#)

CR: NURS 4002 and the former NURS 4104

PR: Statistics 1510 or 2500 or equivalent, or Education 2900

~~**3200 Transcultural Nursing**—inactive course.~~

~~**3380 Health Assessment Clinical Practice I** focuses on the clinical application of knowledge and skills obtained in NURS 3070. Students are preceptored by either a nurse practitioner or physician in a primary health care setting to complete comprehensive health histories and physical examinations on clients across the lifespan. Students are required to attend St. John's Campus for clinical testing.~~

~~CO: NURS 3070~~

~~CR: NURS 2040~~

~~OR: 8 clinical hours per week~~

~~PR: proof of a current practising license as a Registered Nurse.~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

**3410 Roles of Nurse Practitioners in Primary Health Care** examines the role of the nurse practitioner in the delivery of primary health care. Factors affecting role implementation and its impact on health care delivery will be discussed. The historical development and future trends

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~~of nurse practitioner practice in a changing health care system will be examined.~~

~~CO: NURS 4002~~

~~PR: NURS 2700 and NURS 4002~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**3430 Concepts in Pharmacology Across the Lifespan** focuses on the principles of pharmacology and nutritional therapies across the lifespan. Pharmacotherapeutic and nutritional management of common health problems within each body system will be discussed. Emphasis will be placed on the application of knowledge required to prescribe and monitor medication and nutritional therapies within the scope of practice for the Primary Health Care Nurse Practitioner.~~

~~CR: NURS 4702~~

~~PR: NURS 2740 and NURS 4701~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

**3523 Extended Practice III** provides the students with the opportunity to apply leadership and management principles in coordinating care for groups of individuals within a variety of nursing care settings. Students also have the opportunity to further develop clinical competencies acquired in previous courses.

CH: 6

CR: the former NURS 3520 and the former 3521

OR: 40 clinical hours per week for eight weeks

PR: NURS 3001 and 3501 or 4502, NURS 3014 and 3514, NURS 3012 and 3512 or 3513, NURS 3113 and clinical placement approval from the Committee on Undergraduate Studies

~~**4002 Introduction to Nursing and Health Research** introduces students to the key terminology, elements, and processes of research. The focus will be on understanding the components of the research process, interpreting and critically analysing nursing and health-related research studies, and understanding the importance of utilizing research for evidence-based practice. Students will have the opportunity to explore methodologies in both quantitative and qualitative research.~~

~~PR: Statistics 1510 or 2500 or equivalent, or Education 2900, and acceptance into the Bachelor of Nursing (Post-RN) Program or admission to the **Bachelor of Technology Program**~~

**4010 Community Health Nursing I** introduces the student to the field of community health nursing. It focuses on the nursing care of individuals, families, groups, and the community. Core concepts

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~~include theoretic approaches to families, epidemiology, health promotion and the community as client.~~

~~CR: the former NURS 4311 or 4312~~

~~PR: NURS 2040, 2230, 2700, 3023 or the former 3022, 4002, and proof of current practising license as a Registered Nurse or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**4310 Community Health Nursing II** allows the student to apply the knowledge and practise the competencies acquired in NURS 4010. Clinical experiences will focus on the nursing of selected families and population groups within the community, using a primary health care framework.~~

~~OR: 8 clinical hours per week~~

~~PR: NURS 4010 and proof of current practising license as a Registered Nurse or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**4370 Health Assessment Clinical Practice II** provides clinical opportunities for students to complete focussed histories and physical examinations on clients across the lifespan. The integration and consolidation of knowledge and skills obtained in NURS 3070 and NURS 3380 is required. Students are preceptored in a primary health care setting by either a nurse practitioner or physician. Students are required to attend St. John's Campus for clinical testing.~~

~~CR: NURS 2040~~

~~OR: 8 clinical hours per week~~

~~PR: proof of a current, practising license, NURS 3070, and NURS 3380~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

**4512 Community Health Practicum** provides students with the opportunity to integrate and consolidate knowledge and competencies acquired throughout the program and apply them to community health nursing practice. Using a primary health care framework, the student participates in strategies which facilitate the mobilization of communities toward health. Online discussions will be included. Note: NURS4512 in the Fast track Option is one of five courses in Semester 5. It begins in April and progression into this course is dependent on successful completion of the other four nursing courses scheduled for Jan-April in the same semester.

OR: 40 clinical hours per week for four weeks

PR: NURS 2014, 2514, 4501 and 4103 (or 4101) and admission to the ~~Fast Track Option~~

PR: (NURS 4103, 4501 and 4515) or (NURS 2514, 4101, 4103 and 4502 and admission to the Fast Track Option), and clinical placement approval.

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**4516 Consolidated Practicum** provides students with the opportunity to practice nursing with a select client population. Students apply and test knowledge from nursing and related disciplines in this selected clinical setting. The course also enables students to further develop their professional roles. Online discussions will be included.

CH: 6

CR: the former NURS 4514 or the former NURS 3522, and the former NURS 4513

OR: 40 clinical hours per week for ten weeks

PR: NURS 4103, NURS 4501 or 4502, NURS 4515 and clinical placement approval

~~**4701 Current Concepts in Pathophysiology** reviews the most recent theories in pathophysiology, current trends in diagnosis and treatment and their nursing implications. This course assumes a basic understanding of physiology.~~

~~PR: acceptance into the Bachelor of Nursing (Post RN Program) and NURS 2740, or admission to the Bachelor of Technology Program and NURS 2740, or admission to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**4702 Current Concepts in Pharmacology and Nutrition** explores current principles of nutrition and pharmacology in a variety of disease states. The course will be built upon previous nutrition and pharmacology knowledge. This course assumes a basic understanding of physiology.~~

~~PR: acceptance into the Bachelor of Nursing (Post RN) Program and NURS 2740.~~

~~**4754 Clinical Dimensions of Professional Nursing Practice** allows students to explore in depth, concepts and practices that are relevant to all populations across a variety of care settings. Emphasis will be placed on enhancing knowledge, attitudes and skills for nursing assessment, interventions and measurement of nursing sensitive outcomes. Students will be required to apply the knowledge gained to client situations in clinical practice.~~

~~CR: the former NURS 4714, 4720 or 4723, 4734, and 4744~~

~~OR: 72 clinical hours during the semester~~

~~PR: NURS 2040, 2230, 2700, 3023 or the former 3022, 4002, 4701, 4702 and proof of current, practising license~~

~~**5210 Health Care Systems** focuses on the philosophical bases and practical considerations in the organization and administration of Health Care Delivery Systems. The planning, management and evaluation of the Canadian health care system will be compared with those of other countries.~~

School of Nursing (cont'd)

~~Future trends in the delivery of health care to Canadians will be discussed.~~

~~PR: admission to the Bachelor of Nursing (Post RN) Program and 3 credit hours in English and NURS 2230; or admission to the Bachelor of Technology Program and 3 credit hours in English.~~

~~**5220 Professional Issues** reviews the historical development of the nursing profession and facilitates discussion of factors influential in its evolution. Content will focus on the current status of nursing, ethical issues and the profession's impact on health care delivery. Selected categories of nursing theory, their impact on practice and education will be analysed in relation to major issues and future trends in nursing.~~

~~PR: Admission to the Bachelor of Nursing (Post RN) Program and 3 credit hours in English and NURS 2230.~~

~~**5327 Interdisciplinary Course on Family Violence**—inactive course.~~

~~**5360 Advanced Clinical Decision Making—Clinical Practice** focuses on the application of diagnostic reasoning and clinical decision making skills learned in N5600. Opportunities to acquire advanced skills to assist in the diagnosis and management of common health problems will be provided. Preceptored clinical experiences will be provided in primary health care practice settings. Students are required to attend St. John's Campus for demonstrations and clinical testing.~~

~~CO: NURS 5600~~

~~OR: 16 clinical hours per week~~

~~PR: proof of a current practising license as a Registered Nurse, NURS 4701, NURS 4310, and NURS 4370~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**5370 Integrated Clinical Practicum** provides opportunities for learners, under the mentorship of nurse practitioners and physicians, to gain experience in managing the health and illness needs of clients across the life span. Clinical learning experiences are selected to develop learner competence and confidence for the transition to the role of a Primary Health Care Nurse Practitioner. Students are required to attend St. John's Campus for clinical testing.~~

~~OR: 5 days of clinical per week~~

~~PR: proof of a current practising license as a Registered Nurse, NURS 5600 and NURS 5360~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**5600 Advanced Clinical Decision Making** focuses on the development of diagnostic reasoning and clinical decision making skills~~



School of Nursing (cont'd)

~~within the scope of practice of a primary care nurse practitioner. A systematic approach to patient assessment and management of health problems will be discussed. This course integrates knowledge acquired in previous courses. Students are required to attend St. John's campus for some onsite lectures.~~

~~CO: 5360~~

~~PR: proof of a current, practising license as a Registered Nurse, NURS 4310, 4370, and 4701~~

~~UL: applicable only to the **Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option**~~

~~**5700 Nursing Management** is designed to promote an understanding of theories and principles of management of nursing practice. Process, methods and issues are considered with emphasis on practical nursing examples.~~

~~PR: admission to the Bachelor of Nursing (Post-RN) Program or admission to Bachelor of Nursing (Post-RN) Primary Health Care Nurse Practitioner Option and 3 credit hours in English and NURS 2230~~

~~UL: applicable only to the Bachelor of Nursing (Post-RN) Program~~

50. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

50.1 School of Graduate Studies – Calendar Revisions 3.3.9

Page 559, 2015-2016 Calendar, under the heading 3.3.9 Visiting Graduate Student, amend the calendar entry as follows:

**“3.3.9 Visiting Graduate Student**

1. A student who is registered in good standing in a graduate program at another recognized institution who comes to Memorial University of Newfoundland to conduct research under the supervision of Memorial University of Newfoundland faculty members is considered to be a visiting graduate student. In order to obtain access to University resources, ~~and where applicable, a study permit~~ such a student will be required to register each semester of their visit for GRAD 9900 using a Course Change Form.
2. To be eligible to register, a visiting graduate student must submit an Application for Admission form to the School of Graduate Studies, accompanied by: a) a letter from their home institution verifying graduate student status, and b) a letter from the host faculty member confirming the duration of the visit. The student will then be admitted to the School of Graduate Studies to a "non-degree" program.
3. Visiting graduate students will be exempt from tuition fees. However, all visiting graduate students will be required, as a

### School of Graduate Studies – Calendar Revisions 3.3.9 (cont'd)

condition of registration, to purchase health insurance (international students should contact the International Student Advisor, whereas Canadian citizens or permanent residents of Canada should contact the Graduate Students' Union for more information). If a visiting graduate student wishes to register for a course while at Memorial University of Newfoundland, s/he must meet the University admission requirements and pay the undergraduate per course fee as indicated under the **UNIVERSITY REGULATIONS - Fees and Charges** in the University Calendar.

**Note:**

*A student enrolled in a graduate program at another university who wishes to complete courses at Memorial University of Newfoundland for transfer of credit to his/her home institution is not considered to be a visiting graduate student under this definition. Such students should apply to the Office of the Registrar for admission to the University, and if admitted, will be governed by **GENERAL ACADEMIC REGULATIONS**. Fees will be assessed in accordance with the fee schedule for undergraduate courses as indicated under the **UNIVERSITY REGULATIONS - Fees and Charges** in the University Calendar.”*

#### 50.2 School of Nursing

Page 632, 2015-2016 Calendar, under the heading 21.2Qualifications for Admission, amend the calendar entry as follows:

#### **“21.2 Qualifications for Admission**

1. Applicants to the Master of Nursing program in any of the two options listed above must have a baccalaureate Degree in nursing, or an equivalent from an institution recognized by the University and a knowledge of nursing satisfactory to the School of Nursing.
2. Admission to the program is limited and competitive. To be considered for admission, the applicant must have maintained at least a grade B standing in the baccalaureate program.
3. Applicants are also required to have a minimum of one year's experience in nursing practice, and to have completed an undergraduate nursing research course ~~and a statistics course normally within the last 5 years such as Statistics 2500 or Education 2900 or their equivalents~~ **and an undergraduate statistics course.**
4. Applicants must hold a practising licence from the Association of Registered Nurses of Newfoundland and Labrador or must be currently registered as a practising nurse in another Canadian jurisdiction. Applicants from other countries who do not meet the above criteria will be assessed on an individual basis. However, they must submit proof of registration as a practising nurse (or an equivalency) from their country or jurisdiction.

School of Nursing (cont'd)

5. In addition to the above requirements, candidates seeking admission to the MN-Nurse Practitioner Degree option must have two years of clinical experience preferably in their chosen specialty area.
6. In addition to requirements 1 and 4, candidates seeking admission to the Post Master's Nurse Practitioner Graduate Diploma program must have completed a Master's Degree in Nursing or an equivalent degree with a nursing focus and have two years of clinical nursing experience preferably in their chosen specialty area.
7. **In addition to requirements 1, 4 and 6, candidates seeking admission to the MN-Nurse Practitioner Degree option and the Post Master's Nurse Practitioner Graduate Diploma program will note that preference will be given to applicants who are living and working as Registered Nurses in Newfoundland and Labrador.**
- ~~7.~~ **8. Only in exceptional circumstances and only on the recommendation of the School of Nursing shall the Dean of Graduate Studies consider applicants who do not meet admission requirements listed above."**

Page 632, 2015-2016 Calendar, under the heading 21.4.1 Practicum Option, amend the calendar entry as follows:

**"21.4.1 Practicum Option**

1. Candidates must complete an approved program of study consisting of a minimum of ~~24~~ **24** credit hours in graduate program courses and 6 credit hours in ~~a consolidated~~ **practicum courses**.

**Required courses:**

6010 Research in Nursing: Quantitative Methods  
6011 Philosophical and Theoretical Foundations of Nursing  
**6012 Statistics for Advanced Nursing Practice**  
6100 Research in Nursing: Qualitative Methods  
6221 Population-based Nursing (equivalent to N6220 and N6230)  
6240 Nursing Individuals and Families Through Life Transitions (equivalent to N6200 and N6210)  
6250 Foundations for Advanced Nursing Practice

**One of the following courses:**

6020 Program Development in Nursing  
6031 Education in Nursing

**The following ~~consolidated~~ practicum courses:**

6660 MN Practicum ~~I~~ **1**  
6661 MN Practicum ~~II~~ **2**

2. The program of each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing."

School of Nursing (cont'd)

Page 632, 2015-2016 Calendar, under the heading 21.4.2 Nurse Practitioner Option, amend the calendar entry as follows:

**“21.4.2 Nurse Practitioner Option**

1. Candidates must complete an approved program of studies consisting of a minimum of ~~36~~ **37** credit hours in graduate program courses and an integrated clinical practice experience, comprising 12 credit hours.

**Required courses:**

6010 Research in Nursing: Quantitative Methods

6011 Philosophical and Theoretical Foundations of Nursing

**6012 Statistics for Advanced Nursing Practice**

~~6020 Program Development in Nursing~~

6100 Research in Nursing: Qualitative Methods

6221 Population-Based Nursing (*equivalent to 6220 and 6230*)

6240 Nursing Individuals and Families Through Life Transitions  
(*equivalent to 6200 and 6210*)

6251 Writing Skills for Nurse Practitioners (1 credit hour) (*Students who have transferred from the practicum option and have credit for 6250 Foundations for Nursing Practice will have this course waived*)

~~6701 Advanced Practice Issues and Role Development (2 credit hours)~~

6703 Advanced Health Assessment and Clinical Practicum ~~I~~ **1** (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum ~~II~~ **2** (4 credit hours)

6705 Pharmacotherapy and Therapeutics (3 credit hours)

**6706 Nurse Practitioner Roles and Practice Issues**

Either one of: 6800 Adult Advanced Clinical Decision Making **3** (4 credit hours), 6802 Family/All Ages Clinical Decision Making **3** (4 credit hours), or one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum ~~III~~ **4** (The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit hours)

2. The program of each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing.

3. **The maximum time frame from commencement of the first core NP course (usually 6703) until program completion shall normally be no longer than 3 years.”**

School of Nursing (cont'd)

Page 633, 2015-2016 Calendar, under the heading 21.4.3 Post Master's Nurse Practitioner Graduate Diploma, amend the calendar entry as follows:

**“21.4.3 Post Master's Nurse Practitioner Graduate Diploma**

1. Candidates with a Master's Degree in Nursing or an equivalent Degree with a nursing focus must complete an approved program of study consisting of a minimum of ~~17~~ **18** credit hours in graduate program courses and integrated clinical practice experience, comprising 12 credit hours.

**Required courses:**

~~6701 Advanced Practice Issues and Role Development (2 credit hours)~~

6703 Advanced Health Assessment and Clinical Practicum ~~I~~ **1** (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum ~~II~~ **2** (4 credit hours)

6705 Pharmacotherapy and Therapeutics

**6706 Nurse Practitioner Roles and Practice Issues**

Either One of: 6800 Adult Advanced Clinical Decision Making **3** (4 credit hours), 6802 Family/All Ages Clinical Decision Making **3** (4 credit hours), or one of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum ~~III~~ **4** (The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit hours)

2. Programs for some candidates may exceed the above minimum requirements.

3. The program for each candidate shall be approved by the Dean of Graduate Studies on the recommendation of the Dean of the School of Nursing.

**4. The maximum time frame from commencement of the first core NP course until program completion shall normally be no longer than 3 years.”**

Page 633, 2015-2016 Calendar, under the heading 21.5 Evaluation, amend the calendar entry as follows:

School of Nursing (cont'd)

**“21.5 Evaluation**

1. In order to continue in graduate studies and in order to qualify for a Master's Degree, a candidate shall obtain an A or B grade in each program course and in both practicum courses.

2. When the Dean of the School of Nursing has determined on the basis of consultation with the candidate, the Associate Dean, Graduate Program ~~and Research~~, and the thesis or practicum Supervisor, that a candidate has fallen below a satisfactory level, the Dean of the School of Nursing may recommend to the Dean of Graduate Studies that ~~such~~ **a the** candidate be required to withdraw from the program.

~~3. When the Dean of the School of Nursing has determined on the basis of consultation with the candidate and the Associate Dean, Graduate Programs, that a candidate has fallen below a satisfactory level, the Dean of the School of Nursing may recommend to the Dean of Graduate Studies that such a candidate be required to withdraw from the program.”~~

Page 633, 2015-2016 Calendar, under the heading 21.6 Courses, amend the calendar entry as follows:

**“21.6 Courses**

A selection of the following graduate courses will be offered to meet the requirements of candidates as far as the resources of the School of Nursing will allow.

6010 Research in Nursing: ~~I~~ Quantitative Methods (3 credit hours)  
**(Pre or co-requisite: 6012)**

6011 Philosophical and Theoretical Foundations of Nursing

6020 Program Development in Nursing ~~(Pre or co-requisite: 6011)~~

**6012 Statistics for Advanced Nursing Practice**

6031 Education in Nursing

6100 Research in Nursing: Qualitative Methods (*pre or co-requisite: 6011*)

6221 Population-Based Nursing (*equivalent to 6220 and 6230*)

6240 Nursing Individuals and Families Through Life Transitions ~~(pre or co-requisite: 6011)~~ (*equivalent to 6200 and 6210*)

6250 Foundations for Advanced Nursing Practice (*This course is a prerequisite for all other courses for students in the practicum option though may be taken as a co-requisite in the first term of the program*)

6251 Writing Skills for Nurse Practitioners (1 credit hour) (*This course is a prerequisite for all other courses for students in the MN-NP option though may be taken as a co-requisite in the first term of the program*)

6310-6350 Special Topics in Nursing

6501-10 Individual Readings and Research in Special Areas

School of Nursing (cont'd)

6660 MN Practicum ~~I~~ 1 (prerequisites: All required courses including 6020 or 6031, and 6240/6221 or 6200/6210 or 6220/6230)

6661 MN Practicum ~~II~~ 2 (prerequisites: ~~All required courses including~~ 6660 MN Practicum ~~I~~ 1)

~~6701 Advanced Practice Issues and Role Development (2 credit hours)~~

6703 Advanced Health Assessment and Clinical Practicum ~~I~~ 1 (4 credit hours)

6704 Applied Pathophysiology and Clinical Practicum ~~II~~ 2 (4 credit hours) (pre-requisite: 6703)

6705 Pharmacotherapy and Therapeutics (pre-requisite: 6704)

**6706 Nurse Practitioner Roles and Practice Issues**

6800 Adult Advanced Clinical Decision Making 3 (4 credit hours) (pre-requisite: 6705)

6802 Family/All Ages Clinical Decision Making 3 (4 credit hours) (pre-requisite: 6705)

One of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours)

690X Advanced Clinical Practicum ~~III~~ 4 (The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars) (12 credit hours) (pre-requisite: 6800 or 6802)”

50.3 Music – Master of Music

Page 631, 2015-2016 Calendar, under the heading 20.5 Courses, amend the calendar entry as follows:

**“20.5 Courses**

A selection of the following graduate courses will be offered to meet the requirements of candidates, as far as the resources of the School will allow. All courses are 3 credit hours unless otherwise indicated.

- 6000 Music Research Methods (1 credit hour)
- 6002 Graduate Seminar (Prerequisite: Music 6000)
- 6005 Performance Practice
- 6006 Instrumental Ensemble Repertoire
- 6007 Choral Repertoire
- 6008 Orchestral Repertoire
- 6009 Music Literature
- 6100 Score Study and Analysis
- 6210 Instrumental Conducting I
- 6211 Instrumental Conducting II (Prerequisite: Music 6210)
- 6212 Instrumental Conducting Internship I (1 to 3 credit hours)
- 6213 Instrumental Conducting Internship II (1 to 3 credit hours)
- 6310 Choral Conducting I
- 6311 Choral Conducting II (Prerequisite: Music 6310)

Music – Master of Music (cont'd)

- 6312 Choral Conducting Internship I (1 to 3 credit hours)
- 6313 Choral Conducting Internship II (1 to 3 credit hours)
- 6400 Music Pedagogy
- 645A/B Principal Applied Study I (6 credit hours)
- 646A/B Secondary Principal Applied Study (4 credit hours)
- 647A/B Principal Applied Study I (6 credit hours)
- 6500 Chamber Music (2 credit hours per semester. Maximum: 8 credit hours)
- 6501 Chamber Music (3 credit hours per semester. Maximum: 12 credit hours)
- 6502 Opera Performance (2 credit hours)
- 6503 Opera Performance
- 6504 Chamber Music (1 credit hour per semester. Maximum: 4 credit hours)
- 6505 Conducted Instrumental Ensemble (1 credit hour per semester. Maximum: 4 credit hours)
- 6510 Seminar in Performance Issues
- 6600 Pedagogy Seminar
- 6610 Pedagogy Internship I
- 6611 Pedagogy Internship II
- 6700 Career Skills for Musicians
- 6701 Music in the Community (1 credit hour. Prerequisite: Music 6700)
- 6702 Music in the Community (2 credit hours. Prerequisite: Music 6700)
- 6703 Music in the Community (Prerequisite: Music 6700)
- 6750 Music Industries Internship (2 credit hours)
- 6751 Music Industries Internship
- 7002 Research Paper
- 7010 World Music: Music of Asia and Oceania
- 7011 World Music: Music of Africa and the Americas
- 7012 Canadian Musical Traditions
- 7013 Music and Culture
- 7017 Folksong
- 7018 Jazz and Blues: The Roots of Popular Music
- 7210 Instrumental Conducting III (Prerequisite: Music 6211)
- 7310 Choral Conducting III (Prerequisite: Music 6311)
- 745A/B Principal Applied Study II (6 credit hours. Prerequisite: Music 645B.)
- 747A/B Principal Applied Study II (6 credit hours. Prerequisite: Music 647B.)
- **Special Topics Courses**
- 6800-6809
- 6900-6909
- 7800-7809”



50.4 Music – PhD Ethnomusicology

Page 683, 2015-2016 Calendar, under the heading 32.13.2 Program of Study, amend the calendar entry as follows:

**“32.13.2 Program of Study**

The Ph.D. program may be completed within twelve to fifteen consecutive semesters of full-time study, depending on fieldwork requirements. The Degree is normally taken by completing course work, comprehensive examinations, a language proficiency requirement, and a Ph.D. thesis, defended in accordance with General Regulation **Theses and Reports** of the School of Graduate Studies.

1. Students must complete a minimum of 21 credit hours of course work. If required courses have been completed at the M.A. level, electives may be substituted (with approval of the Interdisciplinary Advisory Committee). The required courses are:

a. Music 8001; Folklore 6030; and Folklore 7100.

~~b. ONE of Music 6002 or Folklore 7100.~~

~~eb.~~ Twelve credit hours of electives selected from courses listed below or from relevant courses offered in another discipline (with the approval of the Interdisciplinary Advisory Committee). Ph.D. students may take up to two courses (6 credit hours) in a cognate discipline.

~~ec.~~ Reading proficiency in one language other than English, relevant to the research area, demonstrated to the satisfaction of the Interdisciplinary Advisory Committee. The choice of language must be approved by the Interdisciplinary Advisory Committee. The language exam should normally be completed before the comprehensive exams.

~~ed.~~ Further courses beyond the minimum number may be required, depending on the background and needs of the student.

...”

Page 683, 2015-2016 Calendar, under the heading 32.13.3 Courses, amend the calendar entry as follows:

**“32.13.3 Courses**

• **Theories and Methods:**

~~• Music 6001 Research Methods~~

~~• Music 6002 Graduate Seminar~~

• Music 6807 Video Documentary Production (*credit may be received for only one of Music 6807 and Music 7803*)

• Music 7001 Research Problems and Methods in Ethnomusicology

• Music 7803 Radio Documentary Production (*credit may be received for only one of Music 6807 and Music 7803*)

• Music 8001 Theoretical Issues in the Study of Music

• Folklore 6010 Survey of Folklore Genres and Processes

Music – PhD Ethnomusicology (cont'd)

- Folklore 6020 Field and Research Methods
- Folklore 6030 Folklore Theories
- Folklore 6040 Feminist Theories: Perspectives and Issues
- Folklore 6080 Vernacular Theories
- Folklore 6090 Ethnology
- Folklore 7100 Advanced Folkloristics II: Research and Ethnography
- ...

50.5 English

Page 680, 2015-2016 Calendar, under the heading 32.11.1 Program of Study, amend the calendar entry as follows:

**“32.11.1. Program of Study**

...

7. ~~The Ph.D. Comprehensive Examination in English is a written examination prepared by the candidate's Comprehensive Examination Committee.~~

~~In accordance with General Regulation~~ Comprehensive Examinations, Ph.D. Comprehensive Examination, the candidate's Comprehensive Examination Committee will include the Head (or the Head's delegate, usually the Graduate Co-ordinator), the candidate's Supervisor, and three other members of the Department.

~~The written examination shall consist of three parts: a four hour examination in the student's area of concentration and two three hour examinations in two other specified areas. In accordance with General Regulation~~ Comprehensive Examinations, Ph.D. Comprehensive Examination, the examination shall take place before the end of the seventh semester.

~~Candidates will be graded “pass with distinction”, “pass”, “re-examination”, or “fail”, in accordance with General Regulation~~ Comprehensive Examinations, Ph.D. Comprehensive Examination, 4. ~~Candidates who are marked for “re-examination” will be re-examined in the area or areas in which the Comprehensive Examination Committee has determined that the candidate's performance is deficient. The nature of this re-examination (and whether it will be written or oral) is left to the discretion of the Comprehensive Examination Committee.~~

The Ph.D. Comprehensive Examination in English will have written and oral components, will have two parts, and will be prepared by the candidate's Comprehensive Examination Committee. The Comprehensive Examination Committee will determine the submission

English (cont'd)

dates for papers and the dates of oral examinations. The Ph.D. Comprehensive Examination in English shall in all circumstances be in accordance with General Regulation [Comprehensive Examinations, Ph.D. Comprehensive Examination](#).

The candidate's Comprehensive Examination Committee will include the Head (or the Head's delegate, usually the Graduate Co-ordinator), the Dean of the School of Graduate Studies (or delegate), the candidate's Supervisor, and three other members of the Department.

The examination shall take place before the end of the seventh semester.

The first part of the examination will be in a complementary area (Complementary Examination) and the candidate will have a choice of either writing an essay in response to questions determined by the Comprehensive Examination Committee or completing a set of assignments related to teaching in the field.

The second part of the examination will be in the candidate's thesis area (Thesis Area Examination) and will require the candidate to write in response to questions determined by the Comprehensive Examination Committee and that paper will form the basis of a departmental presentation. The Comprehensive Examination Committee will orally examine the candidate about the paper topic and the broader relationship to the thesis area.

All examinations, both written and oral, will comply with Departmental Guidelines.

Candidates will be graded "pass with distinction", "pass", "re-examination", or "fail." Candidates who are marked for "re-examination" will be re-examined in the area or areas in which the Comprehensive Examination Committee has determined that the candidate's performance is deficient. The nature of this re-examination (and whether it will be written or oral) is left to the discretion of the Comprehensive Examination Committee."

50.6 Master of Philosophy Humanities Program

Page 634, 2015-2016 Calendar, under the heading 22 Regulations Governing the Degree of Master of Philosophy, amend the calendar entry as follows:

**"22 Regulations Governing the Degree of Master of Philosophy**

...

Master of Philosophy Humanities Program (cont'd)

Programs leading to the Degree of Master of Philosophy (M.Phil.) are offered at present in German Language and Literature, and in the Humanities. The degree of M.Phil. in the Humanities is administered by the Director of Studies and is in all respects separate from the M.Phil in German Language and Literature.

Page 634, 2015-2016 Calendar, under the heading 22.1 Qualifications for Admission, amend the calendar entry as follows:

**“22.1 Qualifications for Admission**

1. Admission is limited and competitive. To be considered for admission an applicant shall hold a Bachelor's Degree or its equivalent from an institution recognized by the Senate and shall have a knowledge of his or her proposed field of specialization satisfactory to the relevant Department(s) ~~concerned when interdisciplinary study is intended or~~ (and to the Director Board of Studies in the case of the program in Humanities), and to the Dean.

2. Preference will normally be given to applicants who hold an appropriate Honours Degree either from Memorial University of Newfoundland, or from another university whose Honours Degree is of comparable standing. Any other applicant who holds a Bachelor's Degree or its equivalent will be considered for admission provided that:

a. the applicant's undergraduate record after the first year shows an average of at least grade B in courses in the proposed field of specialization;

b. the applicant's overall undergraduate record after the first year shows an average of at least grade B in all courses taken; and

c. the Department ~~(and or Director Board~~ of Studies, in the case of the program in Humanities) satisfies the Dean that the applicant's work exhibits evidence of academic excellence.

Only in exceptional circumstances, and only on the recommendation of the relevant Department ~~(and or Director Board~~ of Studies, in the case of the program in Humanities), will the Dean consider applicants who do not meet the requirements a. and b. Such applicants, however, must meet the requirement c.

3. An applicant may be required to demonstrate a satisfactory knowledge of the proposed field of study in an examination administered by the relevant Department(s), ~~(and or Director Board~~ of Studies, in the case of the program in Humanities).

4. Applicants whose mother tongue is not English are reminded that a high degree of literacy in English is required of students at the University. In most cases instruction is in English, and examinations are to be written in English. (Language departments, however, give instruction in the pertinent language and often require examinations to be written in that language. In addition, other departments may permit

Master of Philosophy Humanities Program (cont'd)

and even require examinations to be written in a language other than English).

5. An applicant may be required to pass a qualifying examination.

**Note:**

*Some Departments have particular regulations in addition to these, and applicants are advised to turn to the relevant parts of this Calendar and acquaint themselves with both the [General Regulations](#) and the regulations of the program in which they are interested."*

Page 634, 2015-2016 Calendar, under the heading 22.2 Program of Study, amend the calendar entry as follows:

**"22.2 Program of Study**

1. Every candidate shall read at least 30 credit hours in program courses in one subject or in a combination of closely related subjects as recommended by the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities), and approved by the Dean.
2. A candidate may be required also to take additional credit hours in program courses, which must be recommended by the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities), and approved by the Dean.
3. Students registered in the program in Humanities will be required to maintain and submit for evaluation a program Journal (see [Program of Study, 3. of the Regulations for the Degree of Master of Philosophy in Humanities](#)).
4. No candidate while classified as a part-time student may take more than 6 credit hours in any one semester.
5. No candidate may take more than 9 credit hours in graduate courses in a single semester, nor any credit hours in undergraduate courses at the same time as 9 credit hours in graduate courses; in no case may graduate and undergraduate credit hours combined exceed 12 in any one semester.
6. The course program will culminate in a general comprehensive examination (see [Evaluation - General Comprehensive Examination](#) below).
7. Every candidate shall be assigned to a tutor recommended by the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities) and approved by the Dean.
8. The Dean may approve an application to transfer from the M.Phil. to the M.A. or MGS only when a new integrated program, acceptable to the Dean, is submitted."

Page 634, 2015-2016 Calendar, under the heading 22.4 Evaluation, amend the calendar entry as follows:

Master of Philosophy Humanities Program (cont'd)

**“22.4 Evaluation**

*See also [Evaluation](#) under [General Regulations](#).*

1. Students registered in undergraduate courses shall satisfy examination requirements in these courses.
2. The academic requirements for the Degree of Master of Philosophy shall be met when the candidate has successfully completed all course requirements of the program and has passed a general examination which consists of both written and oral parts. The Dean, on the recommendation of the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities), shall determine the times and places for general examinations; and, on the recommendation of the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities), shall appoint examiners, one of whom shall be from outside the Department(s) concerned. In the M.Phil. in Humanities, a program Journal is also required.”

Page 634, 2015-2016 Calendar, under the heading 22.5 Evaluation – General Comprehensive Examination, amend the calendar entry as follows:

**“22.5 Evaluation - General Comprehensive Examination**

1. Each candidate must pass a general comprehensive examination.
2. The examination committee shall be appointed by the Dean on the recommendation of the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities). The committee shall consist of either three or five members, at least one of whom must come from outside the Department(s) concerned. The candidate shall be informed of the names of the committee well before the examination.
3. The candidate and the tutor will normally agree when the candidate may sit the general comprehensive examination. However, the relevant Department(s) (and ~~or~~ Director Board of Studies, in the case of the program in Humanities) must accede to the candidate's request to sit a comprehensive examination, except that in no circumstances may a candidate attempt the general comprehensive examination before his or her course program is completed.
4. The schedule for the examination shall be agreed by the candidate, the tutor, and the examining committee, and shall be ~~promulgated~~ communicated by the Dean.
5. The examination shall consist of a written part and an oral part. The time between the written and the oral parts shall normally be from one to four weeks.

Master of Philosophy Humanities Program (cont'd)

6. The oral examination shall be from one to three hours in length, and shall be conducted by the examining committee, and shall be open only to the examination committee and to members of the relevant Department(s) (and ~~or~~ Director ~~Board~~ of Studies, in the case of the program in Humanities) only.
7. A candidate must satisfy the examining committee in both parts of the examination to obtain a pass.
8. The successful completion of the comprehensive examination is the final academic requirement for the Master of Philosophy Degree.”

Page 636, 2015-2016 Calendar, under the heading 22.8 Humanities, amend the calendar entry as follows:

**“22.8 Humanities**

**Associate Professor and Director, ~~Board~~ of Studies**

J. Dyer

The Master of Philosophy in Humanities has been designed for students from any discipline. It is directed to students who hold an Honours bachelor's Degree or its equivalent. The object of the M.Phil. in Humanities program is to provide students with an opportunity to see the historical and logical context of their own disciplinary points of view. The program is based on the interaction of a group of students of varying backgrounds and interests studying a common core of texts in a shared set of courses.

The program draws scholarly participation from faculty members in a range of academic disciplines within the School of Graduate Studies. The program is administered by a Director of Studies located within the Department of Gender Studies ~~Board of Studies with membership appointed by the Dean of Arts chosen from the participating faculty.~~

**Master of Philosophy**

In addition to meeting these regulations students must also meet the [General Regulations Governing the Degree of Master of Philosophy](#).

This program is administered by the Director of Studies on behalf of the Faculty of Arts, and will draw scholarly participation chosen from those appropriately qualified faculty members wishing to participate, regardless of Department or Faculty affiliation.”

Page 636, 2015-2016 Calendar, under the heading 22.8.1 Qualifications for Admission, amend the calendar entry as follows:

Master of Philosophy Humanities Program (cont'd)

**“22.8.1 Qualifications for Admission**

1. Admission is limited and competitive. The number of students admitted to the program will be strictly limited to ensure small classes and maximum student-faculty contact. To be considered for admission an applicant will normally hold an Honours Bachelor's Degree (or equivalent) from an institution recognized by the Senate, and will have a breadth of knowledge in one or more of the Humanities disciplines satisfactory to the Director Board of Studies, and to the Dean.
2. Applicants who do not hold an Honours Degree (or equivalent) will be required to complete, prior to admission, a number of undergraduate courses, the nature and number of which will be determined on the basis of the applicants' undergraduate record by the Director of Studies ~~in consultation with the Board of Studies~~. Candidates will be required to complete such designated pre-admission courses with a minimum overall average of 70%.”

Page 636, 2015-2016 Calendar, under the heading 22.8.2 Administration, amend the calendar entry as follows:

**“22.8.2 Administration**

1. The program will be administered by the Director of Studies ~~a Board of Studies, the members of which will be appointed by the Dean of Arts chosen from the participating faculty.~~
2. There will be a Director of Studies who ~~will be an ex officio of the Board of Studies and~~ will make recommendations to the Dean concerning admission, financial support for students, and all other matters pertaining to the program.
3. Responsibility for the allocation of teaching and the support of related research will be managed by agreement between the Deans of the appropriate Faculties, the Heads of Departments of participating faculty members, and the Director of Studies, in consultation with the Dean of Graduate Studies.
4. ~~The Board of Studies will be empowered to secure external grant funding where appropriate, and to manage all related administrative and financial matters as necessary.”~~

Page 636, 2015-2016 Calendar, under the heading 22.8.3 Program of Study, amend the calendar entry as follows:



Master of Philosophy Humanities Program (cont'd)

**“22.8.3 Program of Study**

1. Every candidate shall normally read 30 credit hours in the 10 regulation courses listed below.
2. With permission of the Director of Studies, a candidate may elect to substitute up to two of these courses with courses from other graduate programs in this University. Attendance in other programs requires the permission of the departments involved. (See also School of Graduate Studies General Regulation [Program Requirements, Transfer of Course Credits](#) which allows for further transfer of credits already taken but not yet applied to a graduate degree.)
3. Every candidate shall be required to maintain and submit a program Journal which will be monitored and evaluated by the Director Board of Studies. The Journal will comprise the candidate's critical reflections arising out of analyses of designated key themes common to the several disciplines which constitute the program.”

Page 636, 2015-2016 Calendar, under the heading 22.8.4 Comprehensive Examination, amend the calendar entry as follows:

**“22.8.4 Comprehensive Examination**

1. Each candidate must pass a general comprehensive examination.
2. The Examination Committee shall be appointed by the Dean of Graduate Studies on the recommendation of the Director Board of Studies. The Committee shall normally consist of three members. One member of the Committee is normally the tutor. The candidate shall be informed of the names of the committee well before the examination.
3. The candidate and the tutor will normally agree when the candidate may sit the general comprehensive examination. However, the Director Board of Studies must accede to the candidate's request to sit a comprehensive examination, except that in no circumstances may a candidate attempt the general comprehensive examination before his or her course program is completed.
4. The schedule for the examination shall be agreed by the candidate, the tutor, and the Examining Committee, and shall be ~~promulgated~~ communicated by the Dean.
5. The examination shall consist of a written part and an oral part. The time between the written and the oral parts shall normally be from one to four weeks.
6. The program journal is an extended paper or series of linked papers which analyses and reflects critically on issues

Master of Philosophy Humanities Program (cont'd)

encountered by the candidate during the course of the program. Papers and/or projects completed during courses may be incorporated into the program journal, but shall not, of themselves, constitute the entire journal.

7. The oral examination shall be from one to three hours in length, shall be conducted by the Examining Committee, and shall be open only to the Examination Committee, ~~members of the Board of Studies~~ and members of the Departments concerned. The oral examination shall be chaired by the Director of Studies.
8. A candidate must satisfy the Examining Committee in both parts of the examination to obtain a pass.
9. The successful completion of the comprehensive examination is the final academic requirement for the Master of Philosophy Degree.”

50.7 Medicine – New Course 6726

Page 640, 2015-2016 Calendar, under the heading 24.3 Courses, amend the calendar entry as follows:

**“24.3 Courses**

A selection of the following graduate courses shall be offered to meet the requirements of candidates, as far as the resources of the Faculty allow.

- 6102 Critical Theory in Health and Society
- ...
- 6726 Program Development in Public Health
- 6730 Professional Practice
- 6731 Community Nutrition
- 6733 Dietetics Internship I (non-credit component)
- 6734 Dietetics Internship II (non-credit component)
- 6735 Dietetics Internship III (17 week Internship block - 10 credit hours)
- 6736 Dietetics Internship IV (16 week Internship block - 10 credit hours)”

50.8 Medicine

Page 624, 2015-2016 Calendar, under the heading 17.2 Program of Study, amend the calendar entry as follows:

**“17.2 Program of Study**

1. The Master of Health Ethics degree is offered by full or part-time study. Candidates may choose one of three program options: (1) Thesis option, (2) Non-thesis, Capstone Project option, (3) Non-thesis, Research Papers option. It is anticipated that full-time

Medicine (cont'd)

students will complete the program in four semesters in accordance with **Table 1 Master of Health Ethics Recommended Course Sequence for Full-Time Students**.

2. The program of study is the responsibility of the Supervisory Committee composed of a Supervisor and at least two other faculty members. It is the responsibility of the Supervisory Committee to meet regularly (at least annually) with the student and to provide guidance at all stages of the candidate's program. An annual report prepared by the Supervisor and signed by the student and all members of the Committee is required to be submitted to the Assistant Dean of Research and Graduate Studies (Medicine).
3. All candidates must complete the following course requirements:
  - a. MED 6800, MED 6801, and MED ~~6808~~ 6806
  - b. 3 elective courses (9 credit hours) chosen in consultation with the Supervisor. Elective courses may be selected from the elective courses listing below (excluding MED 6820, 6821, 6822, and 6825) or from other courses approved by the Supervisor.
4. In addition, all candidates must complete a Health Ethics Practicum (MED 6815). The practicum will include three placements during the semester in which it is taken, one in each of the following areas of health ethics: clinical ethics, research ethics, and health ethics policy. Each placement will be approximately four weeks in length and students will be required to devote a minimum of 40 hours in overall placement activities. All course work identified above must be completed prior to initiation of the practicum.
5. Students must also complete one of the following in accordance with the program option to which they have been admitted:
  - a. A thesis, submitted in accordance with the **General Regulations, Thesis and Reports** of the School of Graduate Studies.
  - b. Three Health Ethics Research Papers (represented as MED 6820). Research topics will be chosen in consultation with, and approved by, the Supervisor. Students must register for the course MED 6820 in every semester during which they are completing one or more of the Research Papers necessary to satisfy this requirement. A grade of NC (No Credit) will be awarded in all semesters prior to the final semester. A grade of 'B' or better is required in each of the three required Research Papers in order to successfully complete this requirement and receive a grade of 'Pass' in the final semester. Each paper will be evaluated by the supervising faculty member and another faculty member qualified to evaluate the work.
  - c. A Health Ethics Capstone Project (MED 6825). The Capstone Project will be chosen in consultation with, and

Medicine (cont'd)

approved by, the Supervisor. Students must register for the course MED 6825 in every semester during which they are completing the Capstone Project. A grade of NC (No Credit) will be awarded in all semesters prior to the final semester. The completed Capstone Project will be evaluated by the supervising faculty member along with a representative of the external organization for which the project was undertaken.

**Table 1 Master of Health Ethics Recommended Course Sequence for Full-Time Students**

Semester	Courses
<b>Fall</b>	<ul style="list-style-type: none"> <li>• MED <del>6808-6806</del> Introduction to the Canadian Health System</li> <li>• MED 6801 Important Cases in Health Ethics</li> <li>• Elective Course</li> </ul>
<b>Winter</b>	<ul style="list-style-type: none"> <li>• MED 6800 Health Ethics Theory</li> <li>• Elective Course</li> <li>• Elective Course</li> </ul>
<b>Spring and Fall</b>	MED 6815 Health Ethics Practicum, and one of the following: <ul style="list-style-type: none"> <li>• MED 6820 Health Ethics Research Papers</li> <li>• MED 6825 Health Ethics Capstone Project</li> <li>• Thesis</li> </ul>

Page 625, 2015-2016 Calendar, under the heading 17.3 Courses, amend the calendar entry as follows:

**17.3 Courses**

A selection of the following graduate courses shall be offered to meet the requirements of students, as far as the resources of the Faculty allow.

- MED 6800 Health Ethics Theory
- MED 6801 Important Cases in Health Ethics
- MED 6803 Research Ethics
- MED 6804 Public Health Ethics
- MED 6806 Introduction to the Canadian Health System
- MED 6807-6814 Special Topics in Health Ethics (~~excluding MED 6808~~)
- ~~MED 6808 Introduction to the Canadian Health System~~
- MED 6815 Health Ethics Practicum
- MED 6820 Health Ethics Research Paper
- MED 6825 Health Ethics Capstone Project”

Medicine (cont'd)

Page 639, 2015-2016 Calendar, under the heading 24.2.2 Nutrition and Dietetics, amend the calendar entry as follows:

**“24.2.2 Nutrition and Dietetics**

1. Minimum requirements for the M.P.H. degree in Nutrition and Dietetics will include the successful completion of the following:
  - a. Six core courses: ~~Public Health Leadership and Management (MED 6725)~~, Policy and Decision Making (MED 6288), Epidemiology I (MED 6270), Community Health Research Methods (MED 6280), Biostatistics I (MED 6200), Community Nutrition (MED 6731), Professional Practice (MED 6730)
  - b. The Public Health Seminar Series courses (MED 6700, 6701)
  - c. The Dietetics Research Project (MED 671A/B)
  - d. The Dietetics Internship (MED 6733 – 6736). The Dietetics Internship is a practice experience conducted in a work setting and following the guidelines set forth by the Dietitians of Canada.

Dietetics Internship I & II (MED 6733 & 6734) are non-credit, mandatory, part-time internship components completed during the first and second academic semesters of the program in accordance with **Table II – Master of Public Health Recommended Course Sequence for Full-Time Students in the Nutrition and Dietetics Specialization**. A grade of NC (No credit) will be awarded for these two internship components.

Building on the components of Dietetics Internship I & II, Dietetics Internship III & IV (MED 6735 & 6736) are full-time internship blocks each of which will normally extend beyond the regular semester timeframe. Evaluation of the internship blocks will be on a PASS/FAIL basis.

All core courses and seminars must be completed prior to the initiation of the Dietetics Internship III (MED 6735) and/or the Dietetics Research Project (MED 671A/B).

**Table II – Master of Public Health Recommended Course Sequence for Full-Time Students in the Nutrition and Dietetics Specialization**

Semester	Courses
<b>Fall</b>	<ul style="list-style-type: none"> <li>• 6270 Epidemiology I</li> <li>• 6280 Community Health Research Methods</li> <li>• 6288 Policy and Decision Making</li> <li>• 6700 Public Health Seminar Series I</li> <li>• 6733 Dietetics Internship I</li> </ul>

<b>Winter</b>	<ul style="list-style-type: none"> <li>• 6200 Biostatistics I</li> <li>• 6731 Community Nutrition</li> <li>• 6730 Professional Practice</li> <li>• 6701 Public Health Seminar Series II</li> <li>• 6734 Dietetics Internship II</li> </ul>
<b>Spring</b>	671A Dietetics Research Project
<b>Fall</b>	671B Dietetics Research Project
<b>Winter</b>	6735 Dietetics Internship III
<b>Spring</b>	6736 Dietetics Internship IV

Page 661, 2015-2016 Calendar, under the heading 28.1.3.2 Cancer and Development, amend the calendar entry as follows:

**“28.1.3.2 Cancer and Development**

The graduate program in Cancer and Development offers study in fundamental cell and molecular biological areas including viral oncogenesis, growth factors, and oncogenes in developmental models, programmed cell death and drug resistance.

1. **Qualifications for Admission**

The admission requirements are as given under the **General Regulations** governing Master's degrees. All courses in the program have as a prerequisite, successful completion of an advanced, upper-level biochemistry, biology or medical course, with an emphasis on molecular biology or medicine.

2. **Program Requirements**

All students are required to attend, for credit, and participate in the Cancer and Development Journal Club (Cancer, Seminars, MED 6400, 6401, 6402, 6403). One other graduate course (chosen from MED 6580, 6590, 6591, 6340, 6341, or 6342) is required for M.Sc. Medicine students although other courses may be required in individual cases.”

Page 661, 2015-2016 Calendar, under the heading 28.1.3.3 Cardiovascular and Renal Science, amend the calendar entry as follows:

**“28.1.3.3. Cardiovascular and Renal Science**

The graduate program in Cardiovascular and Renal Sciences enables students to pursue research and academic studies in selected topics including hypertension and stroke, neural and endothelial control of vasculature and blood pressure as well as physiological mechanisms promoting heart failure. ~~The faculty participating in the program consists of basic cardiovascular scientists and renal clinicians. Teaching within the program is integrated with the M.D. program.~~

Medicine (cont'd)

1. **Qualifications for Admission**

The admission requirements are as given under the **General Regulations** governing Master's degrees.

2. **Program Requirements**

Students will be required to take a minimum of two graduate courses. Basic Cardiovascular and Renal Physiology (MED 6140) is required and must be taken within 1.5 years after entry into the program. Students will chose a second course from MED 6141, 6142, 6143, 6144, or 6194 or any other graduate course approved by the student's supervisory committee."

Page 661, 2015-2016 Calendar, under the heading 28.1.3.4 Clinical Epidemiology, amend the calendar entry as follows:

**"28.1.3.4 Clinical Epidemiology**

The program in Clinical Epidemiology is aimed at university graduates intending a career in health services, faculty members seeking advanced training in clinical epidemiology, medical doctors and other health care professionals interested in health ~~care-delivery~~ research.

1. **Qualifications for Admission**

The admission requirements are as given under the **General Regulations** governing Master's degrees. In exceptional circumstances, a professional equivalent qualification will be considered for admission.

2. **Program Requirements**

- a. Students are required to take: MED 6262 ~~or MED 6200~~, MED 6250, MED 6255, and MED 6260, plus a minimum of one ~~or more~~ elective. Electives are normally chosen from MED 6095, MED 6263 and MED 6265 or ~~more additional~~ ~~course(s)~~ as recommended by the supervisory committee and approved by the Director or Coordinator. In addition students are required to take the Seminar Series (MED 6400-, 6401, 6402 and 6403). MED 6250 and MED 6262 are normally completed in the Fall semester. MED 6255 and MED 6260 are normally completed in the Winter semester.
- b. Students are expected to give an oral presentation or course lecture of their thesis research in each year of their program."

Page 662, 2015-2016 Calendar, under the heading 28.1.3.6 Human Genetics, amend the calendar entry as follows:

## Medicine (cont'd)

### **“28.1.3.6 Human Genetics**

The graduate program in human genetics will enable students to pursue academic studies and research in a number of areas of genetics including molecular genetics, genomics, cancer genetics of complex traits, genetic epidemiology, gene mapping, medical genetics, birth defects, and population genetics. Faculty members from all three divisions of the Faculty of Medicine (BioMedical Sciences, Community Health and Humanities, and the Clinical Sciences Disciplines) participate in the program.

#### **1. Qualifications for Admission**

The admission requirements are as given under the General Regulations governing Master's degrees. Applicants with backgrounds in the fields of genetics, biochemistry and biology are preferred.

#### **2. Program Requirements**

a. Students will be required to complete a minimum of two graduate courses. Within the Human Genetics program the following courses are offered: Human Molecular Genetics (MED 6393), Human Population Genetics (MED 6390), Applied Human Genetics (MED 6392), Cancer Genetics (MED 6394), Genetic Epidemiology (MED 6395) and Selected Topics in Human Genetics (MED 6391). In addition, there are a number of courses in other graduate programs which could be suitable for some students in this program, including Epidemiology I (MED 6270), Molecular Biology of Cancer (MED 6580), Molecular Biology I (MED 6590) and Molecular Biology II (MED 6591). Course selection for each student is determined by their supervisory committee in consultation with the student and is based on the area of study and past course credits.

b. ~~Students are expected to~~ must also participate in the ~~activities of the genetics group. These include the weekly Journal Club/Research Discussion Group and the~~ Genetics Seminar Series (MED 6400, 6401, 6402, 6403) and are expected to participate in other Discipline of Genetics activities including an annual graduate student research forum.”

Page 662, 2015-2016 Calendar, under the heading 28.1.3.8 Neurosciences, amend the calendar entry as follows:

### **“28.1.3.8 Neurosciences**

The Neuroscience Program offers graduate studies in an interdisciplinary setting including faculty from biomedical science within the Faculty of Medicine ~~and Department of Psychology in the Faculty of Science~~. Graduate students may pursue research in a number of specialty areas including the physiological basis of learning



Medicine (cont'd)

and memory, stroke and neuroplasticity, neuroregeneration, signal transduction mechanisms, neuronal circuitry, neuroimmunology, and membrane physiology. ~~The Neuroscience Program is a Chapter of the Society for Neuroscience.~~

**1. Qualifications for Admission**

The admission requirements are as given under the General Regulations governing Master's degrees. It is expected that the students will have had courses in biochemistry, biology and/or psychology with some exposure to basic university-level statistics.

**2. Program Requirements**

- a. Students in the program are required to take Systems Neuroscience (MED 6196) and one other graduate level course. Additional courses may be required based on the recommendation of the supervisory committee.
- b. Students are expected to attend and participate in the activities of the neuroscience group including the weekly seminar and journal club.”

Page 662, 2015-2016 Calendar, under the heading 28.2.1 Qualifications for Admission, amend the calendar entry as follows:

**“28.2.1 Qualifications for Admission**

To be admitted into the respective graduate diploma program, a student must be eligible to register as a graduate student, as ~~given described~~ under ~~the~~ **General Regulations governing Admission to Graduate Diploma Programs** ~~M.Sc. degrees~~ (Section 4.1.1). In special circumstances, and upon the recommendation of the Associate Dean of Community Health and Humanities, or Director of Clinical Epidemiology, for their respective program Co-ordinator, a suitable combination of training and professional experience relevant to ~~that~~ the program may be acceptable for admission.

Page 662, 2015-2016 Calendar, under the heading 28.2.2 Program Requirements, amend the calendar entry as follows:

**“28.2.2 Program Requirements**

1. Community Health and Humanities

A graduate diploma in Community Health requires successful completion of MED 6220, MED 6270, 3 electives, and 2 semester-length seminar courses (MED 6400, 6401).

2. Clinical Epidemiology

A graduate diploma in Clinical Epidemiology requires successful completion of MED 6262 ~~or MED 6200~~, 6250, and 6255 and the completion of ~~a minimum of~~ two of the Clinical Epidemiology

Medicine (cont'd)

seminar courses: MEDicine 6400-6403 and 6401. Research Seminars for M.Sc. Student I-IV. Students are expected to give an oral presentation in the seminar series.

Page 696, 2015-2016 Calendar, under the heading 32.26.2.1 Program Areas, amend the calendar entry as follows:

**“32.26.2.1 Program Areas**

**1. Cancer and Development**

- a. The graduate program in Cancer and Development offers study in fundamental cell and molecular biological areas including viral oncogenesis, growth factors and oncogenes in developmental models, programmed cell death and drug resistance.
- b. Program Requirements: Students are required to participate in the Seminar Series (MED 6410, 6411, 6412, 6413).

**2. Cardiovascular and Renal Sciences**

- a. The graduate program in Cardiovascular and Renal Sciences enables students to pursue research and academic studies in selected topics including hypertension and stroke, neural and endothelial control of vasculature and blood pressure as well as physiological mechanisms promoting heart failure. ~~The faculty participating in the program consists of basic cardiovascular scientists and renal clinicians. Teaching within the program is integrated with the M.D. program.~~
- b. Program Requirements: Students are required to successfully complete MED 6140 if this course has not been previously taken. Students are required to present their thesis research to the Cardiovascular and Renal Sciences group.

**3. Clinical Epidemiology**

- a. The program in Clinical Epidemiology is aimed at university graduates intending a career in health services, faculty members seeking advanced training in clinical epidemiology, medical doctors, and other health care professionals interested in health ~~care delivery~~ research.
- b. Program Requirements: Students are required to successfully complete ~~all~~ of the following courses if they have not been previously completed: ~~MED 6095, MED 6262 or MED 6200, MED 6250, MED 6255, and MED 6260~~ plus a minimum of one elective. Electives are normally chosen from MED 6095, MED 6263 and MED 6265 or as recommended by the supervisory committee and approved by the Director or Co-ordinator. Students are required to take the Ph.D. Seminar Series (MED 6410-, MED 6411, MED 6412 and 6413). MED 6250 and MED 6262 are normally completed in the Fall

Medicine (cont'd)

semester. MED 6255 and MED 6260 are normally completed in the Winter semester. The supervisory committee, with the approval of the Director or Co-ordinator, can recommend an alternate program of study. Students are expected to give an oral presentation or course lecture in each year of their program.

**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, 6411, 6412,-6413).

**5. Human Genetics**

- a. The graduate program in Human Genetics will enable students to pursue academic studies and research in a number of areas of genetics including cancer genetics, genomics, genetics of complex traits, genetic epidemiology, gene mapping, medical genetics, birth defects, and population genetics. Faculty members from all three divisions of the Faculty of Medicine (Biomedical Sciences, Community Health and Clinical Sciences) participate in the program.
- b. Program Requirements: Students are required to take the Genetics Seminar Series (MED 6410, 6411, 6412, 6413).

**6. Immunology and Infectious Diseases**

- a. The Immunology and Infectious Diseases group has an interdisciplinary character and consists of faculty from biomedical science. The graduate programs are designed to provide individualized training oriented towards basic research and a solid scientific background in the discipline of immunology and infectious diseases.
- b. Students are required to successfully complete two courses if they have not been previously completed: MED 6127 is required and the students will choose one course from MED 6114, MED 6119, MED 6128, MED 6580, or any other graduate course approved by the student's supervisory committee. Some students may be required to take additional courses depending upon their thesis topic. Students are required to attend, for credit, and participate in the Immunology and Infectious Diseases Seminar Program (MED 6410, 6411, 6412, 6413).

**7. Neurosciences**

- a. The Neuroscience Program offers graduate studies in an interdisciplinary setting with the core faculty in the

### Medicine (cont'd)

Division of BioMedical Sciences ~~but also including faculty from the Department of Psychology in the Faculty of Science.~~ Graduate students may pursue research in a number of specialty areas including the physiological basis of learning and memory, stroke and neuroplasticity, neuroregeneration, signal transduction mechanisms, neuronal circuitry, neuroimmunology, and membrane physiology. ~~The Neuroscience Program is a Chapter of the Society for Neuroscience.~~

b. Program Requirements: Normally students in the Ph.D. program are required to complete two graduate level courses in Neuroscience, one of which is to be Systems Neuroscience (MED 6196). Course selection is made on the recommendation and advice of the supervisory committee. Students are expected to attend and participate in the activities of the neuroscience group including the weekly seminar and journal club.”

### 50.9 Mathematics and Statistics

Page 579, 2015-2016 Calendar, under the heading 7.4 Courses, amend the calendar entry as follows:

#### **“7.4 Courses**

A selection of the following graduate courses will be offered to meet the requirements of candidates, as far as the resources of the Department will allow.

- **Applied Statistics**

- 6500 Probability (*credit restricted with former 6586*)
- 6503 Stochastic Processes
- 6505 Survival Analysis
- 6510 Mathematical Statistics
- 6520 Linear Models
- ~~6530 Generalized Linear Longitudinal Mixed Models~~
- 6530 Longitudinal Data Analysis
- 6540 Time Series Analysis
- 6545 Statistical Computing
- 6550 Nonparametric Statistics
- 6560 Continuous Multivariate Analysis
- 6561 Categorical Data Analysis
- 6563 Sampling Theory
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)
- 6571 Financial and Environmental Time Series
- 6573 Statistical Genetics
- 6591 Practicum (1 credit hour)
- 697A/B Graduate Seminar Series in Statistics”

Mathematics and Statistics (cont'd)

Page 651, 2015-2016 Calendar, under the heading 25.18.3 Courses, amend the calendar entry as follows:

**“25.18.3 Courses**

...

• **Statistics**

- 6500 Probability (*credit restricted with former 6586*)
- 6503 Stochastic Processes
- 6505 Survival Analysis
- 6510 Mathematical Statistics
- 6520 Linear Models
- ~~6530 Generalized Linear Longitudinal Mixed Models~~  
6530 Longitudinal Data Analysis
- 6540 Time Series Analysis
- 6545 Statistical Computing
- 6550 Nonparametric Statistics
- 6560 Continuous Multivariate Analysis
- 6561 Categorical Data Analysis
- 6563 Sampling Theory
- 6571 Financial and Environmental Time Series
- 6573 Statistical Genetics
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)
- 697A/B Graduate Seminar Series in Statistics (2 credit hours)”

Page 694, 2015-2016 Calendar, under the heading 32.25.4 Courses, amend the calendar entry as follows:

**“32.25.4 Courses**

...

• **Statistics**

- 6500 Probability (*credit restricted with former 6586*)
- 6503 Stochastic Processes
- 6505 Survival Analysis
- 6520 Linear Models
- ~~6530 Generalized Linear Longitudinal Mixed Models~~  
6530 Longitudinal Data Analysis
- 6540 Time Series Analysis
- 6545 Statistical Computing
- 6550 Nonparametric Statistics
- 6561 Categorical Data Analysis
- 6563 Sampling Theory
- 6571 Financial and Environmental Time Series
- 6573 Statistical Genetics
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)

...”

51. REPORTS OF SENATE COMMITTEES

Written reports were received for the information of Senators from the following Senate Committees:

- Senate Committee on Educational Technology
- Senate Committee on Undergraduate Studies
- Executive Committee of Senate
- Committee on Honorary Degrees and Ceremonial
- Senate Committee on Elections and Committees
- Grenfell Campus on Special Admissions
- Senate Committee on Academic Appeals
- Senate Committee on Course Evaluation
- University Committee on Admissions
- Senate Committee on Copyright

**REGULAR AGENDA**

52. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

52.1 General Academic Regulations 6.6 and 6.7

It was moved by Dr. Mulligan, seconded by Dr. George, and carried that on page 5, 2015-2016 Calendar, under the heading 4 Glossary of Terms Used in This Calendar, add the following three new terms as follows:

**“In-Class Work:**

is any part of the evaluation in a course which is to be completed by the student in a supervised setting, at a time and location designated by the University.

**Last Week of the Lecturing Period in a Semester or Session:**

consists of the final five days of lectures, including statutory holidays on days when lectures would otherwise be held, in a semester or session.

**Take-Home Work:**

is any part of the evaluation in a course which is to be completed by the student without supervision or a designated location, normally subject to a due date determined by the University.”

Page 67, 2015-2016 Calendar, under the heading 6.4 Registration, add a new section 6.4.8 Completing a Course and renumber the current 6.5.8 Auditing of Courses as follows:

General Academic Regulations 6.6 and 6.7 (cont'd)

**“6.4.8 Completing a Course**

1. When it is prescribed that students, once registered, must complete a particular course, it is understood that they shall, when required, attend lectures given in the course, perform laboratory projects, and exercises that may be assigned and any other written or oral exercises prescribed, write or otherwise answer tests and examinations given in the course throughout the semester or session, including any final examinations, and shall obtain an overall passing grade in the course in accordance with the prescribed evaluation procedures.

**6.4.98 Auditing of Courses**

...”

Page 70, 2015-2016 Calendar, under the heading 6.6 Evaluation, amend the calendar entry as follows:

**“6.6 Evaluation of Student Work**

**6.6.1 Method of Evaluation**

1. The method of evaluation in any course shall be determined by the academic unit subject to all University regulations.

**6.6.2 Course Syllabus**~~**Informing Students of the Method of Evaluation**~~

1. Before the end of the first week of lectures in any semester or session, the course syllabus shall be made known to students. The course syllabus shall include:

- the method of evaluation,
- any required prerequisites or co-requisites,
- any required textbooks or other resources which must be purchased,
- information about the availability of the instructor for consultation (in-person and, where appropriate, by other means of communication) outside of class,
- a statement of Memorial University of Newfoundland’s commitment to accommodation of students with disabilities, and
- a statement regarding academic integrity, including a reference to the entry on Academic Misconduct in this Calendar.

~~1. The method of evaluation and required prerequisites or co-requisites shall be made known to students before the end of the first week of lectures in any semester or session.~~

~~2. This information shall be in typewritten or computer generated format and shall be provided in paper form to the students present in~~

General Academic Regulations 6.6 and 6.7 (cont'd)

~~each class during the first week of lectures. In the case of Web-based courses, this information may be provided electronically.~~

3.2. The following shall be included in the explanation of the method of evaluation:

- the allocation of marks for all parts of the evaluation, e.g., assignments, laboratory projects, presentations, tests, mid-term examinations, final examinations;

- wherever possible, an explanation of the alternate evaluation which will be offered to students who are unable to complete a part of the evaluation due to acceptable cause, as described under **Exemptions from Parts of the Evaluation**;

- with the exception of the final examination, and in accordance with Scheduling of Parts of the Evaluation below, the probable dates of all in-class parts of the evaluation, and the probable dates on which all take-home parts of the evaluation are due.

- ~~• the approximate dates of all parts of the method of evaluation that will take place in class, e.g., tests, mid-term examinations, presentations, and assignments;~~

- ~~• the dates on which all parts of the evaluation to be completed out of class are due; and~~

- ~~• whether deferred tests or mid-term examinations or extensions of deadlines for out-of-class work are permitted.~~

3. The course syllabus shall be provided in paper form to students present in class, or in electronic form via a University-approved email account or learning management system.

4. As early as possible following the start of lectures in each semester or session, and no later than the end of the first week of lectures, the course instructor shall file a copy of the course syllabus with the appropriate academic unit.

~~4. A student who is prevented from writing a test or mid-term examination or completing assigned work by the deadline, by illness or bereavement or other acceptable cause, duly authenticated in writing, may apply, in writing and with supporting documents, for an alternate evaluation. Normally, this application must be made within one week of the original date of the examination or deadline to the course instructor.~~

5. Methods used for notification of grades earned in all parts of the method of evaluation and for the return of graded evaluative instruments will be in keeping with the Access to Information and Protection of Privacy Act (Government of Newfoundland and Labrador).

~~6. When it is determined that there will be a common final examination for day and evening sections of a course, students must be so informed in the explanation of the method of evaluation for the course and prior to the end of the registration period.~~



General Academic Regulations 6.6 and 6.7 (cont'd)

**6.6.3 Scheduling of Parts of the Evaluation**

1. Every effort should be made to adhere to the dates given on the course syllabus. Deviations from these dates of one calendar week or less are subject to the restrictions listed in clauses 2 to 5. Longer deviations are permitted only as described under **Changing the Method of Evaluation.**

2. No laboratory examinations totalling more than one laboratory period in length shall be given in any laboratory course in any week during a lecturing period in any semester or session. Such examinations shall be administered in the laboratory time period assigned for that course section. The application of this clause in the Faculty of Engineering and Applied Science, the Faculty of Medicine and the School of Pharmacy is subject to interpretation by the appropriate committee on undergraduate studies. The Senate Committee on Undergraduate Studies may grant a waiver of this clause for laboratory examinations in individual courses in a given semester or session upon recommendation of the appropriate committee on undergraduate studies. Such waivers will be considered only if it can be shown that such laboratory examinations do not conflict with regularly scheduled meetings of another course for any student involved.

3. Any other in-class work shall not extend beyond the class period assigned to that course section in any week during a lecturing period in any semester or session. The application of this clause in the Faculty of Engineering and Applied Science and the Faculty of Medicine is subject to interpretation by the appropriate committee on undergraduate studies. The Senate Committee on Undergraduate Studies may grant a waiver of this clause for in-class work in individual courses in a given semester or session upon recommendation of the appropriate committee on undergraduate studies. Such waivers will be considered only if it can be shown that such in-class work does not conflict with regularly scheduled meetings of another course for any student involved.

4. No form of evaluation shall take place or be due during the last two weeks of the lecturing period in any semester or the last week of the lecturing period in any session, with the exception of oral exams and presentations, laboratory exams and reports, grading on participation, and take-home work which has been made available to students prior to this part of the lecturing period. Courses taught outside the regular time-frame are exempt from the application of this regulation. In exceptional circumstances, the undergraduate studies committee of the appropriate faculty or school may, upon the recommendation of the head of an academic unit, grant a waiver of this regulation with the proviso that the total value of all parts of the evaluation thereby permitted shall not exceed 20% of the final mark in that course. At the end of each semester, the Senate Committee on Undergraduate Studies must be notified of waivers granted.

General Academic Regulations 6.6 and 6.7 (cont'd)

5. No evaluation of any nature shall be held or due between the last day of lectures and the start of the formal examination period in any semester or session. The application of this clause to the Faculty of Education (with respect to accelerated courses), the Faculty of Medicine, the School of Human Kinetics and Recreation (with respect to accelerated courses and courses offered outside the normal time frame during the Spring semester) and the School of Nursing is subject to interpretation by the appropriate committee on undergraduate studies.

6. In the event of an officially declared emergency which results in the cancellation or interruption of in-class work previously scheduled and notified to be held in the final class period of the third-last week of lectures of a semester or the second-last week of lectures of a session, teaching units may reschedule such work in the next regularly scheduled class or as early as possible in the second-last week of lectures of a semester or the last week of lectures of a session. In no circumstances can the rescheduled work be held in the last week of lectures of a semester.

**6.6.43 Changing the Method of Evaluation**

1. The ~~explanation of the~~ method of evaluation, as made available to the class in the first week of lectures, shall be changed only if:
  - exceptional circumstances warrant the change; and
  - the head of the academic unit approves the proposed change; and
  - accommodation is made for students who demonstrate to the course instructor~~faculty member~~ that they are disadvantaged by the change.

**6.6.5 Exemptions from Parts of the Evaluation**

1. For information and procedures regarding exemptions from final examinations, refer to **Exemptions From Final Examinations and Procedures for Applying to Write Deferred Final Examinations.**

2. A student is, at times, prevented from completing a part of the evaluation by illness or medical conditions of less than five calendar days' duration. In such cases, a student may apply for an alternate evaluation by declaring to the relevant instructor that he or she has experienced such an illness or medical condition. This declaration should be made via telephone or in writing through the student's University-approved e-mail account. This declaration should be made in advance of the original date on which an in-class part of the evaluation is to be held or a take-home part of the evaluation is due, wherever possible, but no later than 48 hours after the original date of

General Academic Regulations 6.6 and 6.7 (cont'd)

the part of the evaluation. If the declaration is made by telephone, written confirmation must then be received by the relevant instructor within seven calendar days of the original date of the part of the evaluation.

3. A student who is prevented from completing a part of the evaluation by illness of at least five calendar days' duration, bereavement or other acceptable cause, duly authenticated in writing, may apply for an alternate evaluation. This application should be made in advance of the original date on which an in-class part of the evaluation is to be held or a take-home part of the evaluation is due, wherever possible, but no later than 48 hours after the original date of the part of the evaluation. If application is made by telephone, written confirmation must then be received by the head of the appropriate academic unit within seven calendar days of the original date of the part of the evaluation. The following supporting documentation is required:

- For illness or medical conditions, medical documentation from a health professional is required. Students should provide the health professional with a copy of the Student Medical Certificate ([http://www.mun.ca/regoff/STUDENT\\_MEDICAL\\_CERTIFICATE.pdf](http://www.mun.ca/regoff/STUDENT_MEDICAL_CERTIFICATE.pdf))
- For bereavement or other acceptable cause, official documents or letters that support the reason for the request (e.g. death certificate, letter from employer, etc.) are required.

4. The alternate evaluation may consist of the deferral of in-class work, the extension of the deadline for take-home work, an alternative allocation of marks, or another appropriate accommodation as determined by the course instructor. A student who is dissatisfied with the accommodation offered by the instructor may consult with the head of the appropriate academic unit.

**6.6.4 Good Writing Skills**

~~1. Regardless of the method of evaluation, good writing skills are required for effective communication. Students are, therefore, expected to demonstrate proficiency in logical organization, clarity of expression and grammatical correctness in their writing. For further information refer to **Grading – Good Writing**.~~

**6.6.5 Completing a Course**

~~1. When it is prescribed that students, once registered, must complete a particular course, it is understood that they shall, when required, attend lectures given in the course, perform laboratory projects, and exercises that may be assigned and any other written or oral exercises prescribed, write or otherwise answer tests and examinations given in the course~~

General Academic Regulations 6.6 and 6.7 (cont'd)

~~throughout the semester or session, including any final examinations, and shall obtain an overall passing grade in the course in accordance with the prescribed evaluation procedures.~~

**6.6.6 Correction and Return of Student Work**

1. Provided that students submit work by the due date outlined in the method of evaluation, instructors shall mark and return work that is worth a total of at least 20% of the final grade before the last day to drop courses without academic prejudice. This excludes practicums, placements, internships, theses, and courses where a single piece of work is used to determine the entire mark for the course. In exceptional circumstances, a waiver of this clause may be granted to an individual section of a course in a given semester upon application by the course instructor. For courses at the 1000- and 2000-level, such a waiver may be granted by the Senate Committee on Undergraduate Studies. For all other courses, such a waiver may be granted by the undergraduate studies committee of the appropriate faculty or school; at the end of each semester, the Senate Committee on Undergraduate Studies shall be notified of waivers granted.

2. Instructors shall mark and return all work in a timely manner. In courses where evaluation includes a final examination, provided that students submit work by the due date outlined in the method of evaluation, instructors shall make all reasonable efforts to mark and return all work before the beginning of the examination period, provided that students submit this work by the due date specified in the method of evaluation."

Page 70, 2015-2016 Calendar, under the heading 6.7 Examinations, amend the calendar entry as follows:

**"6.7 Final Examinations**

**6.7.1 Scheduling of Examinations**

1. ~~— No laboratory examinations totalling more than one laboratory period in length shall be given in any laboratory course in any week during a lecturing period in any semester or session. Such examinations shall be administered in the laboratory time period assigned for that course section. The application of this clause in the Faculty of Engineering and Applied Science and the Faculty of Medicine is subject to interpretation by the appropriate committee on undergraduate studies. The Senate Committee on Undergraduate Studies may grant a waiver of this clause for laboratory examinations in individual courses in a given term upon recommendation of the appropriate committee on undergraduate studies. Such waivers will be considered only if it can be~~

General Academic Regulations 6.6 and 6.7 (cont'd)

~~shown that such laboratory examinations do not conflict with regularly scheduled sessions of another course for any student involved.~~

~~2. — Any other examinations shall not extend beyond the class period assigned to that course section in any week during a lecturing period in any semester or session. The application of this clause in the Faculty of Engineering and Applied Science and the Faculty of Medicine is subject to interpretation by the appropriate committee on undergraduate studies. The Senate Committee on Undergraduate Studies may grant a waiver of this clause for examinations in individual courses in a given term upon recommendation of the appropriate committee on undergraduate studies. Such waivers will be considered only if it can be shown that such examinations do not conflict with regularly scheduled sessions of another course for any student involved.~~

~~3. — During the last two weeks of the lecturing period in any semester or the last week of the lecturing period in any session, no examinations or assignments, whether in class or take home, shall be administered or assigned. However, assignments of which students have been notified under Evaluation may be submitted and oral and laboratory examinations may be administered. The appropriate faculty or school undergraduate studies committee may, upon the recommendation of the head of an academic unit, grant a waiver of this clause with the proviso that the total value of all examinations or assignments thereby permitted in a course shall not exceed 20% of the final mark in that course. Such waivers will be considered only in exceptional circumstances or in the case of particular courses where it can be shown that the nature of the course determines the need for evaluation during the normally prohibited period. In the latter case, students must be notified of the method of evaluation in accordance with Evaluation. At the end of each semester, the Senate Committee on Undergraduate Studies must be notified of waivers granted. Courses taught outside the regular time frame are exempt from the application of this regulation.~~

~~4. — No examinations of any nature shall be held between the last day of lectures and the start of the formal examination period in any semester or session. The application of this clause to the Faculty of Education (with respect to accelerated courses), the Faculty of Medicine, the School of Human Kinetics and Recreation (with respect to accelerated courses and courses offered outside the normal time frame during the Spring semester) and the School of Nursing is subject to interpretation by the appropriate committee on undergraduate studies.~~

~~5. — In the event of an officially declared emergency which results in the cancellation or interruption of in class examinations or tests previously scheduled and notified to be held in the final class period of the third last week of lectures of a semester or the second last week of lectures of a session, teaching units may reschedule such examinations~~

General Academic Regulations 6.6 and 6.7 (cont'd)

~~or tests in the next regularly scheduled class or as early as possible in the second last week of lectures of a semester or the last week of lectures of a session. In no circumstances can the rescheduled examinations or tests be held in the last week of lectures of a semester.~~

**6.7.12 Scheduling of Final Examinations**

1. Final examinations, if any, whether of the normal two-hour duration or longer, shall be held in each course at the end of the semester or session during which it was given in accordance with the schedule of examinations published by the Office of the Registrar. The application of this clause to the Bachelor of Education (Intermediate/Secondary) and all degree programs offered by the School of Human Kinetics and Recreation is subject to interpretation by the appropriate committee on undergraduate studies.

2. Normally, course sections offered during the day will have their final examinations, if any, scheduled in the day, and course sections offered in the evening will have their final examinations, if any, scheduled in the evening. When a student is unable, for good reason, to write a final examination scheduled outside the provisions of this clause, the student will be entitled to write a deferred examination. For further information refer to **Exemptions From Final Examinations and Procedures for Applying to Write Deferred Final Examinations**.

3. When an academic unit determines that there will be a common final examination for day and evening sections of a course, students must be so informed in the course syllabus. ~~explanation of the method of evaluation for the course and prior to the end of the registration period.~~

4. Where possible, academic units should inform the Office of the Registrar when they submit their class schedules if it is anticipated that a common final examination will be required for day and evening sections of a course, so that this information can be publicized in the class schedule for the appropriate semester or session. Academic units should indicate whether the examination is to be held during the day or the evening.

**6.7.23 Exemptions From Final Examinations and Procedures for Applying to Write Deferred Final Examinations**

1. A student who is prevented from writing a final examination by ~~illness or bereavement or other~~ acceptable cause, ~~duly authenticated in writing,~~ may apply, with supporting documents, to have the course graded based on the work completed or have the final examination deferred. ~~This application must be made within one week of the~~

General Academic Regulations 6.6 and 6.7 (cont'd)

original date of the examination to the head of the appropriate academic unit.

2. For a student who is prevented from writing a final examination as described under Scheduling of Final Examinations, the application to defer this examination should be made in writing to the head of the appropriate academic unit (or delegate). It should be submitted as soon as possible after the release of the final examination schedule, and in any case no later than two weeks before the end of the semester or session.

3. A student who is scheduled to write three final examinations which begin and end within a twenty-four-hour period may request to write a deferred examination. Normally, only the second examination in the twenty-four-hour period may be deferred. The application to defer this examination should be made in writing to the head of the appropriate academic unit (or delegate). It should be submitted as soon as possible after the release of the final examination schedule, and in any case no later than two weeks before the end of the semester or session.

4. For a student who is prevented from writing a final examination by illness, bereavement or other acceptable cause, duly authenticated in writing, the application to defer this examination should be made via telephone or in writing through the student's University-approved e-mail account to the head of the appropriate academic unit (or delegate) and the course instructor. This application should be made in advance of the examination wherever possible, but no later than 48 hours after the original date of the examination. If application is made by telephone, written confirmation must then be received by the head of the appropriate academic unit (or delegate) within seven calendar days of the original date of the examination. The following supporting documentation is required:

- For illness or medical conditions, medical documentation from a health professional is required. Students should provide the health professional with a copy of the Student Medical Certificate ([http://www.mun.ca/regoff/STUDENT\\_MEDICAL\\_CERTIFICATE.pdf](http://www.mun.ca/regoff/STUDENT_MEDICAL_CERTIFICATE.pdf))

- For bereavement or other acceptable cause, official documents or letters that support the reason for the request (e.g. death certificate, letter from employer, etc.) are required.

~~2.5.~~ The decision regarding the request of the student to have a course graded based on the work completed or have the final examination deferred, including information on the appeals route open to the student in the case of a negative decision, must be communicated in writing by the head of the appropriate academic unit (or delegate) to the student and to the Registrar within ~~one week~~ seven calendar days of the receipt of the student's complete application. For further information refer to **Appeal of Decisions**.

General Academic Regulations 6.6 and 6.7 (cont'd)

3.6. In those cases where the academic unit accepts the extenuating circumstances the student may be permitted to write a deferred examination or, with the consent of both the academic unit and the student, the grade submitted may be based on ~~term~~ the work completed alone. An interim grade of ABS will be assigned by the academic unit in the case of a student granted a deferred examination. This grade will be replaced by the final grade which must be received by the Registrar within ~~one week~~ seven calendar days following the start of classes in the next ~~academic~~ semester or session.

7. A student who is prevented from writing a deferred final examination by illness, bereavement, or other acceptable cause, duly authenticated in writing, may apply, with supporting documents, ~~to the head of the appropriate academic unit~~ to have the deferred final examination further deferred. This application should be made via telephone or in writing through the student's University-approved e-mail account to the head of the appropriate academic unit (or delegate) and the course instructor. This application should be made in advance of the examination wherever possible, but no later than 48 hours after the original date of the examination. If application is made by telephone, written confirmation must then be received by the head of the appropriate academic unit (or delegate) within seven calendar days of the original date of the examination. ~~must be submitted within one week of the scheduled date of the deferred examination.~~ The examination will be postponed to a time not later than the last date for examinations in the semester following that in which the student was enrolled in the course. The following supporting documentation is required:

4. • For illness or medical conditions, medical documentation from a health professional is required. Student should provide the health professional with a copy of the Student Medical Certificate ([http://www.mun.ca/regoff/STUDENT\\_MEDICAL\\_CERTIFICATE.pdf](http://www.mun.ca/regoff/STUDENT_MEDICAL_CERTIFICATE.pdf))

• For bereavement or other acceptable cause, official documents or letters that support the reason for the request (e.g. death certificate, letter from employer, etc.) are required.

**6.7.34 Access to Final Examination Scripts**

1. A student has a right to see his or her final examination script. However, the script is the property of the University and the University retains full possession and control of the script at all times. This regulation upholds the authority and judgement of the examiner in evaluation.

2. To access a final examination script, a student must make a written request to the head of the academic unit in which a course is offered. This request is subject to the following conditions:



General Academic Regulations 6.6 and 6.7 (cont'd)

- Any such request must be made following release of examination results for the semester or session in which the course was taken and within one month of the official release of grades by the University.
  - The final examination script must be viewed in the presence of the course instructor or other person delegated by the head of the academic unit. Both the instructor and the student have the right to be accompanied by a registered student or a member of the faculty or staff of the University.
  - The final examination script must not be taken away or tampered with in any way.
3. All final examination scripts shall be retained by the academic unit for a minimum of one academic year.

**6.7.45 Rereading of Final Examination Scripts**

1. A student may apply to have a final examination script reread whether or not he or she has obtained a passing grade in that course.
- 1-2. A student is encouraged to request to access the final examination script prior to submitting a request to have the final examination reread. For further information refer to **Access to Final Examination Scripts**.
- 2-3. A student who wishes to have a final examination script reread must make application in writing to the Office of the Registrar within one month of the official release of grades by the University. When a rereading is requested, the University will make every reasonable attempt to have the rereading conducted by a faculty member(s) other than the original marker(s). Students are advised to refer to relevant academic units for policies and procedures governing re-reads of examinations.
- 3-4. An appropriate fee per course must be paid at the time of application. For further information refer to **Fees and Charges - Reread of Final Examination Fee**. If the final ~~letter~~numeric grade in the course is raised after rereading or if the final numeric grade increases by at least 5%, then the fee is refunded. If the final ~~letter~~numeric grade in the course is unchanged or lowered, and if the final numeric grade increases by less than 5% or is unchanged or lowered, then the fee is forfeited.”

52.2 Faculty of Engineering and Applied Science/Faculty of Science

It was moved by Dr. Mulligan, seconded by Dr. George, and carried that on page 490, 2015-2016 Calendar, under the heading 9.3.3 Minor in Chemistry, amend the calendar entry as follows:

Faculty of Engineering and Applied Science/Faculty of Science  
(cont'd)

**“9.3.3 Minor in Chemistry**

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

For Process Engineering students, a minor in Chemistry will consist of Chemistry 1050, 1051, 2100, 2210, 2301 (or Engineering 4602), 2302, 2400, and 3 credit hours chosen from the remaining Chemistry courses at the 2000 level or above.”

Page 266, 2015-2016 Calendar, following the section 6.6.1.1 Technical Streams, insert a new section as follows:

**“6.6.2. Minor in Applied Science-Process Engineering**

For Chemistry Majors or Honours Students, a Minor in Applied Science-Process Engineering will consist of Chemistry 1051, ENGI 3600, 4621, 4602 (or Chemistry 2301), 4625, and 4961 and six credit hours chosen from ENGI 5601, 6621, 6631, 6651, 7621, and 8671.

Completion of the Minor in Applied Science-Process Engineering does not qualify persons to hold the designation "Professional Engineer" as defined by various Provincial Acts governing the Engineering Profession.”

Page 489, 2015-2016 Calendar, under the heading 9.3 Chemistry, amend the calendar entry as follows:

**“9.3 Chemistry**

[www.chem.mun.ca](http://www.chem.mun.ca)

The following undergraduate programs are available in the Department:

1. Applied Mathematics and Chemistry Joint Honours
2. Biochemistry and Chemistry Joint Honours
3. Chemistry and Earth Sciences Joint Honours
4. Chemistry and Physics Joint Honours
5. Major or Honours in Chemistry (Option for Minor in Applied Science-Process Engineering)
6. Minor in Chemistry
7. Major or Honours in Computational Chemistry”

Faculty of Engineering and Applied Science/Faculty of Science  
(cont'd)

Page 490, 2015-2016 Calendar, under the heading 9.3.4 General Degree – Major in Chemistry, amend the calendar entry as follows:

**“9.3.4 General Degree - Major in Chemistry**

The courses required for a Major in Chemistry are:

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, 3411, and 3500.
2. Physics 1050 (or 1020 and 1021) and 1051.
3. Mathematics 1000, 1001, 2000, and 2050.

Recommended courses: Biochemistry 2101, Mathematics 2051, Physics 2820 and/or 2750, and 6 credit hours in one of the following languages: French, German, or Russian.

Students considering declaring Chemistry as their Major are encouraged to contact either the Department Head or the Deputy Head (Undergraduate Studies).

Chemistry Majors can obtain a minor in Applied Science-Process Engineering. The requirements for the minor in Applied Science-Process Engineering are detailed under Faculty of Engineering and Applied Science, Minor in Applied Science-Process Engineering.”

Page 490, 2015-2016 Calendar, under the heading 9.3.5.1 Required Courses, amend the calendar entry as follows:

**“9.3.5.1 Required Courses**

1. Chemistry 1050 and 1051 (or 1010, 1011 and the former 1031) (or 1200 and 1001), 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3210, 3211, 3303, 3410, 3411, 3500, 490A/B and 12 credit hours selected from the remaining 4000-level Chemistry courses.
2. Physics 1050 (or 1020 and 1021) and 1051.
3. Mathematics 1000, 1001, 2000, and 2050.

Chemistry Honours Students can obtain a minor in Applied Science-Process Engineering. The requirements for the minor in Applied Science-Process Engineering are detailed under Faculty of Engineering and Applied Science, Minor in Applied Science-Process Engineering.”

Page 517, 2015-2016 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

Faculty of Engineering and Applied Science/Faculty of Science  
(cont'd)

**“3303 Statistical Thermodynamics and Rate Theories** examines physical chemistry from the microscopic viewpoint. Topics include probability distributions, quantum statistical mechanics, statistical thermodynamics, ensembles, kinetics and introduction to statistical rate theories as well as an introduction to computational chemistry (lab).

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: the former CHEM 3300

LH: 3

PR: CHEM 2301 (or ~~2300~~ Engineering 4602), and CHEM 2302, (~~or the former CHEM 3301~~) Mathematics 2000 (or Engineering 3424) and Mathematics 2050.”

Page 265, 2015-2016 Calendar, under the heading 6.6.1 Process Engineering Major, amend the calendar entry as follows:

**“6.6.1 Process Engineering Major**

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Process Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in Table 6 Process Engineering Major.
- Beginning in Academic Term 6, a student will follow either the Process Stream or Petroleum Stream with elective course options as outlined in Table 6 Process Engineering Major.
- Work terms shall normally be taken in the order as set out in Table 6 Process Engineering Major.
- The requirements for a minor in Chemistry in the Process Engineering program are detailed under Faculty of Science, Minor in Chemistry.”

Page 270, 2015-2016 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

**“4621 Process Mathematical Methods** introduces numerical methods in chemical engineering processes, sets of linear algebraic equations, simultaneous non-linear equations, polynomial functions, numerical integration, numerical differentiation, higher order ordinary differential equations, stiff equations, Runge-Kutta methods, boundary value problems and applications of eigenvalue problems (numerical solutions). It provides applications of the methods to different aspects

Faculty of Engineering and Applied Science/Faculty of Science  
(cont'd)

of process engineering such as reactor design, separation, process modeling, equipment design and analysis.

CO: ENGI 4625

LH: 3

PR: ENGI 3424 (or Mathematics 2000, Mathematics 2050 and Mathematics 2260)

**4625 Process Engineering Calculations** is an introduction to the analysis of chemical processes with an emphasis on mass and energy balances. Stoichiometric relationships, ideal and real gas behaviour are also covered. The course will help Process Engineering majors in their second year to develop a framework for the analysis of flow sheet problems and will present systematic approaches for manual and computer-aided solution of full scale balance problems.

CO: ENGI 4602. There is no corequisite for students undertaking a minor in Applied Science – Process Engineering.

PR: ENGI 3901. The prerequisite for students undertaking a minor in Applied Science – Process Engineering is Chemistry 2301 instead of ENGI 3901 and ENGI 4602.

**5601 Mass Transfer** covers diffusive as well as convective mass transfer, mass transfer correlations, and the application to absorption and dehumidification.

LH: at least seven 2-hour sessions per semester

PR: ENGI 4602 (or Chemistry 2301)

**8671 Safety and Risk Engineering** begins with an overview of safety and risk issues in the offshore oil and gas industry. The course examines regulatory requirements; hazards and structured analysis tools; risk terminology and quantified risk analysis (QRA) techniques; and safety assessment studies. The course includes project and case studies.

PR: completion of Academic Term 6 or registration in the Minor in Applied Science-Process Engineering.

52.3 Drop Date – Winter Semester 2016

With the introduction of the week-long break in the Winter Semester, the last day to drop courses without academic prejudice will fall during the break 2016. Given that we anticipate that the majority of students will not be on campus, it will be difficult for them to obtain advice about dropping courses. At the undergraduate level, it will also cause concern for instructors who are trying to satisfy General Academic Regulation (Undergraduate) 6.6.6.

Drop Date – Winter Semester 2016 (cont'd)

The Senate Committee on Undergraduate Studies and the Academic Council, School of Graduate Studies, are recommending that the last day to drop undergraduate courses without academic prejudice in the Winter Semester 2016 be revised to Wednesday, 2 March 2016.

It was moved by Dr. Mulligan, seconded by Professor Walsh, and carried that this recommendation be approved.

52.4 Terms of Reference – Senate Committee on Undergraduate Studies

A memorandum dated January 15, 2016, was received from Jennifer Porter, Deputy Registrar and Secretary, Senate Committee on Undergraduate Studies, regarding the Committee's Terms of Reference.

At a meeting held on January 14, 2016, the Senate Committee on Undergraduate Studies considered a recommendation from the ad hoc Committee on Senate Reform that it absorb the duties of the Advisory Committee on the University Timetable.

Following consideration, it was the decision of the Committee to approve this recommendation. The Terms of Reference for the Senate Committee on Undergraduate Studies should be revised to include:

- to advise the Provost and Vice-President (Academic) on academic matters pertaining to the preparation of the University timetable

It was moved by Dr. Mulligan, seconded by Professor Walsh, and carried to approve this revision.

52.5 Certificate in Public Policy

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 105, 2015-2016 Calendar, under the heading 8.5 Certificate in Public Policy, amend the calendar entry as follows:

**“8.5 Certificate in Public Policy**

~~www.mun.ca/arts/programs/undergraduate/certificates/public\_policy.ph~~  
P  
www.mun.ca/arts/publicpolicy  
...”

Page 106, 2015-2016 Calendar, under the heading 8.5.3 Regulations for the Certificate in Public Policy, amend the calendar entry as follows:

## Certificate in Public Policy

### **“8.5.3 Regulations for the Certificate in Public Policy**

As part of the Certificate in Public Policy, students must complete a concentration in a policy subfield, which comprises foundation courses up to the 3000-level and is overseen by a designated department. Students are encouraged to take courses in the concentration after completing initial foundation-level courses in public policy offered by the Department of Political Science. A student is not eligible to complete more than one concentration.

The Concentration in Economic Policy is overseen by the Department of Economics. Approved courses feature a foundation-level focus on the interrelationships between public policy, political institutions and economic systems.

The Concentration in Urban and Regional Policy is overseen by the Department of Geography. Approved courses feature a foundation-level focus on public policy concerning broad concepts of regionalism, municipal governance, and sub-national planning.

The Concentration in Governance is overseen by the Department of Political Science. Approved courses feature a foundation-level focus on the public policy process within government, emphasizing constitutional, legal and internal procedural factors.

The Certificate in Public Policy consists of 21 credit hours as follows:

1. 6 credit hours chosen from Political Science 1000, 1010, 2600, 3600, including at least one of Political Science 2600, 3600;
2. 12 credit hours chosen from one of the following designated policy concentrations:
  - a. Economic Policy: Economics 2010, 2020 and 6 additional credit hours chosen from Table 1 Approved Courses for the Concentration in Economic Policy, including at least 3 credit hours in Economics at the 3000-level; or
  - b. Urban and Regional Policy: Geography 1050, 2302 and 6 additional credit hours chosen from Table 2 Approved Courses for the Concentration in Urban and Regional Policy, including at least 3 credit hours in Geography 3350, 3701; ~~and~~ or
  - c. Governance: 3 credit hours chosen from POSC 3600 or 3620, and a minimum of 9 additional credit hours at the 3000-level chosen from Table 3, including at least 3 credit hours in Canadian Governance and 3 credit hours in International Governance; and,
3. 3 credit hours in Political Science 4600 or 4630.

Certificate in Public Policy (cont'd)

Not all courses are offered every semester. Students are strongly advised to consult with the Program Coordinator for assistance with course planning, and to generally follow Table 3 4 Suggested Course Sequencing for the Certificate in Public Policy.

...

Table 3 Approved Courses for the Concentration in Governance

<u>Foundation Courses (complete at least 1)</u>	<u>3000-level Canadian Governance Courses (complete at least 1)</u>	<u>3000-level International Governance Courses (complete at least 1)</u>
Political Science 3600 Political Science 3620	Economics 3711 Law and Society 3014 Political Science 3650 Political Science 3800 Political Science 3810 Political Science 3820 Political Science 3830 Political Science 3870 Political Science 3880 Political Science 3890	Political Science 3210 Political Science 3220 Political Science 3250 Political Science 3280

Table 3 4 Suggested Course Sequencing for the Certificate in Public Policy

First 6 credit hours: Choose from Political Science 1000, 1010, 2600, 3600 (take one or both of 2600, 3600)
Next 12 credit hours: Complete a Policy Concentration
Last 3 credit hours: Choose from Political Science 4600 or Political Science 4630

Page 159, 2015-2016 Calendar, under the heading 12.6 Economics, amend the calendar entry as follows:

**“3711 Intergovernmental Relations in Canada** is (I.) federal-provincial-municipal fiscal relations in Canada: intergovernmental tax agreements and equalization payments. (II.) Co-operative federalism: shared-cost programs and opting-out arrangements. (III.) Intergovernmental bargaining in the following issue areas: tax reform; administration of justice; welfare policy; post-secondary education.  
CR: the former Political Science 3711  
PR: ECON 2010 and 2020”

Page 187, 2015-2016 Calendar, under the heading 12.24 Political Science, amend the calendar entry as follows:



Certificate in Public Policy (cont'd)

**~~3280 Canadian Foreign Policy~~** is an introduction to the analysis of foreign policy, with special reference to domestic and international constraints, capabilities and ideology.

CR: the former POSC 3200, the former POSC 3760

**3600 Public Policy Fields in Canada** is an examination of the relationship between public policy development ~~in Canada~~ and changes in the social and economic policy environment. Applies theories and models of public policy to a variety of topical case studies.

PR: prior completion of POSC 2600 is recommended but not required

**3620 ~~Law and Society~~ Law, Governance and Public Policy** reviews traditional theories about law, discuss their inadequacies, and consider the benefits of a policy-oriented approach to the study of the role of law and governance in society. The concept of law as a process of authoritative decision will be used to examine the function of the judicial authority.

CR: the former POSC 3521

**~~3681 Corrections Policy in Newfoundland and Labrador~~**  
~~inactive course.~~

**3810 ~~Political~~ Executive-Level Governance in Canada** ~~explores executive institutions and the roles of political actors, such as prime ministers, premiers and ministers, in addressing and shaping important political issues in Canada~~ explores the roles of political elites, such as prime ministers, premiers and ministers, and executive institutions in government such as the Prime Minister's Office and the Privy Council Office, in addressing and shaping important political issues in Canada.

CR: the former POSC 2714

**3830 ~~Aboriginal Government and Politics~~ Governance in Canada** is an introductory course in Aboriginal governance. It examines Aboriginal culture and traditions, the variety of Aboriginal governments and governing traditions, and Aboriginal and treaty rights. Public policy issues and processes surrounding categories of Aboriginal peoples, intergovernmental relations affecting them, and the role and significance of Aboriginal political organizations and actions are explored.

**3870 Provincial Government and Politics** is a comparative study of government and politics in selected Canadian provinces and territories. Consequences of varying historical and cultural contexts will be examined with special attention to government processes, parties and movements, leadership styles, and orientations to the Canadian federation.

CR: the former POSC 3770

Certificate in Public Policy (cont'd)

**3880 Newfoundland and Labrador Government and Politics** is a study of the government and political process in Newfoundland and Labrador. Topics may include electoral behaviour and attitudes, the party system, leadership styles, the consequences of federalism, and public administration.

CR: the former POSC 3780

**3890 Municipal Government and Politics in Canada** is an examination of the theory, structure and operation of local governments in Canada, with particular emphasis on Newfoundland and Labrador. Recent proposals for reform and the politics of implementing regional government and financial reorganization will be examined.

CR: the former POSC 3790”

52.6 Integrity 100A/B

It was moved by Dr. Mulligan, seconded by Professor Walsh, and carried that on page 23, 2015-2016 Calendar, under the heading 7.23 University Library, amend the calendar entry as follows:

**“7.23.7 INTG100 A/B: Academic Integrity**

**Academic Integrity 100A/B** introduces students to the concept of academic integrity and the important role it plays at Memorial University. Students complete online modules on a variety of topics including: understanding the meaning of academic integrity and its associated university regulations; how to complete university work with academic integrity; and how to avail of supports to ensure academic integrity. Normally, 100A is completed by week 7 of a student’s first semester and 100B is completed prior to the end of the student’s second semester.

This course is mandatory for first year full time undergraduate students. Registration in subsequent semesters is dependent upon successful completion of this course.

CH:0

OR: offered online only”

Page 29, 2015-2016 Calendar, under the heading 8.13 The University Library, amend the calendar entry as follows:

**“8.13.5 INTG100 A/B: Academic Integrity**

**Academic Integrity 100A/B** introduces students to the concept of academic integrity and the important role it plays at Memorial University. Students complete online modules on a variety of topics

Integrity 100A/B (cont'd)

including: understanding the meaning of academic integrity and its associated university regulations; how to complete university work with academic integrity; and how to avail of supports to ensure academic integrity. Normally, 100A is completed by week 7 of a student's first semester and 100B is completed prior to the end of the student's second semester.

This course is mandatory for first year full time undergraduate students. Registration in subsequent semesters is dependent upon successful completion of this course.

CH:0

OR: offered online only"

52.7 Certificate in Aboriginal and Indigenous Studies

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 107, 2015-2016 Calendar, under the heading 11.1 Aboriginal Studies, amend the calendar entry as follows:

**"11.1 Aboriginal Studies**

[www.mun.ca/abst](http://www.mun.ca/abst)

Program Coordinator: Dr. D. Wharram, Department of Linguistics

The Minor in Aboriginal Studies is an interdisciplinary Arts program that aims to encourage students to understand better the histories, languages, geographies, scientific knowledges, philosophies, and contemporary experiences of Aboriginal peoples throughout the world, and more particularly of those of North America.

**11.1.1 Bachelor of Arts Degree Requirements**

The Bachelor of Arts requires the successful completion of a minimum of 120 credit hours. A student must meet the requirements for a departmental Major, Minor, or Honours program and also meet the Program Regulations — General and Honours Degrees for the Faculty of Arts. A student is therefore advised to consult with the Admission to the Bachelor of Arts General Degree Programs regulations, the Program Regulations — General and Honours Degrees which also includes the Bachelor of Arts General Degree Components, The Major Program, and The Minor Program regulations. Information regarding honours programs is available at Bachelor of Arts (Honours) Degree Regulations as well as under each department's regulations.

A student is strongly encouraged to consult with an academic advisor to discuss available programs and requirements in the Faculty of Arts including the Core Requirements, The Major Program, The Minor Program, and the Bachelor of Arts (Honours) Degree Regulations. A student is advised to declare a program of study, including a Major and a Minor, before completing the first 45 credit hours of study.

### Certificate in Aboriginal and Indigenous Studies (cont'd)

~~Information about declaring a Major and Minor in the Faculty of Arts and a list of advisors is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).~~

#### ~~11.1.2 Advising~~

~~Due to the nature of interdisciplinary programming, students must carefully plan their course selection and regularly consult with the Program Coordinator. Questions about the delivery of a course should be directed to the appropriate academic unit.~~

#### ~~11.1.3 Declaring the Interdisciplinary Minor~~

~~Students wishing to declare a Minor in Aboriginal Studies shall consult with the Program Coordinator to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).~~

#### ~~11.1.4 Regulations for the Interdisciplinary Minor in Aboriginal Studies~~

~~1. A Minor in Aboriginal Studies consists of a minimum of 24 credit hours chosen from Table 1 Core Faculty of Arts Courses for the Minor in Aboriginal Studies and Table 2 Other Faculty of Arts Courses for the Minor in Aboriginal Studies below in courses as follows:~~

- ~~a. as per the General Regulations for Interdisciplinary Major and Minor Programs, courses from a minimum of any three Arts disciplines, and no more than 15 credit hours in any one discipline;~~
- ~~b. a minimum of 6 credit hours selected from Table 1 Core Faculty of Arts Courses for the Minor in Aboriginal Studies; and,~~
- ~~c. a minimum of 18 additional credit hours selected from Table 1 Core Faculty of Arts Courses for the Minor in Aboriginal Studies and/or Table 2 Other Faculty of Arts Courses for the Minor in Aboriginal Studies, including a minimum of 6 credit hours at the 3000 level or above. At least one 4000 level course is recommended.~~

~~2. As per the General Regulations for Interdisciplinary Major and Minor Programs, students completing a Minor in Aboriginal Studies must choose a single discipline Major.~~

#### ~~11.1.5 Course List~~

~~1. Interdisciplinary programs provide exposure to courses in various disciplines within the Faculty of Arts. Table 1 courses are Faculty of Arts courses that are fundamental to the program of study. Subject to the program regulations, they may be supplemented with Table 2 courses whose Calendar entry establishes an emphasis on the scholarly study of indigenous peoples, nations and/or knowledge. Not all courses are necessarily offered each year. Students must be careful not to register for different designations of the same course that is crosslisted with~~

Certificate in Aboriginal and Indigenous Studies (cont'd)

2. ~~different departments. Normal departmental prerequisites for courses are applicable.~~
3. ~~As per the General Regulations for Interdisciplinary Major and Minor Programs, up to 3 credit hours obtained in undergraduate courses at Memorial University of Newfoundland that are not listed in the Faculty of Arts Course Descriptions may be deemed eligible towards the Minor in Aboriginal Studies. Undergraduate courses not delivered by the Faculty of Arts that have been approved as Table 2 electives include Education 2023, 2202, 2361, 3573, 4020.~~

Table 1 Core Faculty of Arts Courses for the Minor in

**Aboriginal Studies**

1000-an 2000 level Courses	3000 Level Courses	4000 Level Courses
Anthropology 2414 English 2160 History 1016, 2800 Linguistics 2060	Anthropology 3240 Archaeology 3520 or History 3520 and Archaeology 3525 or History 3525 Law and Society 3012, 3014 Political Science 3830	Anthropology 4070 History 4222

Table 2 Other Faculty of Arts Courses for the Minor in

**Aboriginal Studies**

1000-an 2000 level Courses	3000 Level Courses	4000 Level Courses
Anthropology 2412 Archaeology 2481 Geography 2495 History 2200 Linguistics 1530, 1531, 20 20, 2021, 2022, 2023, 2025 , 2026, 2030, 2031, 2040, 2 041	Anthropology 328 0 Archaeology 3290 , 3291, 3510, 3515 , 3588, 3590 English 3161 Gender Studies 3025 Geography 3905 History 3590 Linguistics 3951 Religious Studies 3880 Spanish 3401	Archaeology 4171 English 4851 History 4212 Linguistics 4050 4054

**11.1.6 Previous Calendar Regulations**

In accordance with ~~UNIVERSITY REGULATIONS~~ Degree and Departmental Regulations, Year of Degree and Departmental Regulations Faculty of Arts and Faculty of Science, candidates for a Minor in Aboriginal Studies who had completed a 2000-level course or above in Aboriginal Studies prior to September 2014 will normally follow the program regulations in effect at that time. Such students may instead elect to follow the Aboriginal Studies program regulations

Certificate in Aboriginal and Indigenous Studies (cont'd)

~~outlined in this version of the Calendar. These "grandparented" students are encouraged to consult the Program Coordinator for assistance with course selection."~~

Page 104, 2015-2016 Calendar, under the heading 8 Certificate Programs Offered in the Faculty of Arts, amend the calendar entry as follows:

**"8.6 Certificate in Aboriginal and Indigenous Studies**

[www.mun.ca/arts/AIS](http://www.mun.ca/arts/AIS)

Program Coordinator: Dr. Scott Neilsen, Archaeology/Labrador Institute

The Certificate in Aboriginal and Indigenous Studies is designed for those interested in learning about the history, cultures, languages, beliefs, and experiences of Aboriginal and Indigenous peoples.

The objective of the program is to provide foundational knowledge for understanding historical and contemporary experiences of Aboriginal and Indigenous peoples – from the origins of first peoples and their complex histories over the proceeding millennia, to present movements and the growing desire for reconciliation between governments and Aboriginal and Indigenous societies.

The area of Aboriginal and Indigenous studies is an increasingly important field in Canada, and the world. This program will benefit a wide variety of learners, including current and prospective university students, and individuals interested in a career in the public, not-for-profit, and NGO sectors.

**8.6.1 Advising**

Throughout their program of study, students for a Certificate in Aboriginal and Indigenous Studies are encouraged to contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here. The coordinator liaises with representatives of participating departments, and normally communicates a tentative schedule of upcoming course offerings to students so that they can plan accordingly.

**8.6.2 Declaring the Certificate in Aboriginal and Indigenous Studies**

## Certificate in Aboriginal and Indigenous Studies (cont'd)

Students interested in a Certificate in Aboriginal and Indigenous Studies are first encouraged to consult with the Program Coordinator to discuss the requirements of the program. After consultation with the Coordinator, students wishing to enroll in the certificate can declare a Certificate in Aboriginal and Indigenous Studies by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).

### **8.6.3 Regulations for the Certificate in Aboriginal and Indigenous Studies**

As part of the Certificate in Aboriginal and Indigenous Studies students must complete a 3 credit hour foundation course at the 1000-level and 3 credit hours in a capstone course at the 3000-level. It is anticipated that the foundation course will be taken at the beginning of the program, and the capstone course will be taken at the completion of the program. As part of their course selections, normally prior to completing the capstone course, students will also complete at least one course that emphasizes the origins and histories of Aboriginal and Indigenous peoples ("past"), and at least one course that emphasizes contemporary issues of Aboriginal and Indigenous peoples ("present").

The Certificate in Aboriginal and Indigenous Studies consists of 21 credit hours as prescribed below.

1. 3 credit hours in Archaeology 1005;
2. 15 credit hours chosen from Table 1, including a minimum of 3 credit hours from "List A" and a minimum of 3 credit hours from "List B"; and,
3. a minimum 3 credit hours in Law and Society 3012 or 3014.

**Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies**

<b><u>Theory Courses</u></b>	<b><u>"Past" Courses</u></b>	<b><u>"Present" Courses</u></b>
<u>Archaeology 1005 (required foundation course)</u>	<u>Archaeology 2481, 3290, 3291, 3510, 3588, 3590</u>	<u>Anthropology 2414, 3070, 3240</u>
<u>Law and Society 3012, 3014 (capstone courses)</u>	<u>Archaeology/History 3520, 3525</u>	<u>English 2160</u>
	<u>History 2800, 3765</u>	<u>Linguistics 2060</u>
		<u>Political Science 3830</u>

Not all courses are offered every semester. Students are strongly advised to consult with the Program Coordinator for assistance with course planning, and to generally follow Table 2 Suggested Course Sequencing for the Certificate in Aboriginal and Indigenous Studies.

Certificate in Aboriginal and Indigenous Studies (cont'd)

When the opportunity is available for students to take appropriate Language Study courses in the Department of Linguistics, the Program Coordinator may seek written permission from the Committee on Undergraduate Studies to include up to 6 credit hours in the program. Other Humanities and Social Science courses whose Calendar entry clearly establishes an emphasis on Aboriginal and Indigenous Studies, including courses delivered exclusively at Grenfell Campus or the Labrador Institute, may be eligible. Students should speak with the Program Coordinator for information.

**Table 2**

**Suggested Course Sequencing for the Certificate in  
Aboriginal and Indigenous Studies**

<u>First 3 credit hours: Archaeology 1005</u>
<u>Next 15 credit hours: Complete an additional five courses selected from Table 1, including at least one “past” course and at least one “present” course</u>
<u>Last 3 credit hours: Choose from Law and Society 3012 or Law and Society 3014 (Certificate total is 7 courses)</u>

**8.6.4 Course Prerequisites**

Many approved courses are suitable for students in all disciplines without a background in the discipline. Other approved courses may have prerequisites.

**8.6.5 Regulation Concerning the Former Minor in Aboriginal Studies**

A student who is enrolled in, or who has completed the former Minor in Aboriginal Studies, is not eligible to enroll in the Certificate in Aboriginal and Indigenous Studies.”

Page 104, 2015-2016 Calendar, under the heading 8 Certificate Programs Offered in the Faculty of Arts, add Certificate in Aboriginal and Indigenous Studies to the list of certificate programs.

Page 152, 2015-2016 Calendar, under the heading 12.1 Anthropology, amend the calendar entry as follows:

~~“4070~~ **3070** **Aboriginal Self-Governance** ~~An advanced course on~~  
examines contemporary issues on the development of, and barriers to,  
self-government among Canadian aboriginal peoples. The focus will be



Certificate in Aboriginal and Indigenous Studies (cont'd)

on topics such as land claims and claims settlements, self-government agreements and proposed agreements, economic development, environmental and social impact of industrial developments, and cultural and religious revival.

Prerequisite: S/A 3240.

CR: The former ANTH 4070”

Page 181, 2015-2016 Calendar, under the heading 12.18 Law and Society, amend the calendar entry as follows:

**“3012 Aboriginal Peoples: Concepts of Land, the Law and the Constitution** traces the historical development of Aboriginal land and resource rights; colonial and Canadian law; and the Constitution of Canada as it relates to the Indian, Inuit and Metis people of Canada. The developing concept of Aboriginal law is presented within the context of the treaty process, Indian Act, contemporary land claims, the Canadian Constitution, and federal/provincial relations.

PR: LWSO 1000. LWSO 2000 is recommended. Students who are declared in the Certificate in Aboriginal and Indigenous Studies program should seek written permission from the instructor.

**3014 Aboriginal and Government Relations in Newfoundland and Labrador** traces the historical development of Aboriginal and Government relations in Newfoundland and Labrador. Topics include: the current legal and constitutional status of the Inuit, Indian and Metis people within the context of land claims, application of the Indian Act, access to programs and services, and federal/provincial relations.

PR: LWSO 1000. LWSO 2000 is recommended. Students who are declared in the Certificate in Aboriginal and Indigenous Studies program should seek written permission from the instructor.”

52.8 Section 9. Waiver of Regulations for Undergraduate Students

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 107, 2015-2016 Calendar, under the heading 9 Waiver of Regulations for Undergraduate Students, amend the calendar entry as follows:

**“9 Waiver of Regulations for Undergraduate Students**

~~Regulations involving course prerequisites or co-requisites, departmental regulations, and faculty regulations may be waived where circumstances so warrant. The routing of requests for such waivers and the procedure for appealing unfavourable decisions are outlined in the UNIVERSITY REGULATIONS – General Academic Regulations (Undergraduate).~~

## Section 9. Waiver of Regulations for Undergraduate Students (cont'd)

### 9.1 Student Responsibility and Academic Advice

Students are responsible for following regulations as stipulated in the University Calendar in all respects. In accordance with 5 ACADEMIC ADVISING, the ability to make sound academic decisions requires access to sound academic advice. Information in the university calendar and in an Academic Degree Audit prevails over any other advice provided by any representative of Memorial University. Requests for an Academic Degree Audit are made by emailing the Office of the Registrar at arts\_audit@mun.ca.

In extenuating circumstances that are duly documented, certain regulations involving course pre-requisites or co-requisites, departmental regulations, and faculty regulations may be waived or modified in accordance with UNIVERSITY REGULATIONS – General Academic Regulations (Undergraduate).

#### 9.1.1 Course Pre-Requisites

Matters involving course pre-requisites or co-requisites require approval of both the course instructor and the Head of the academic unit that is delivering the course. Requests are made to the course instructor in person or in writing from the student's @mun.ca email account. Students should provide a detailed explanation of the reasons for the request.

#### 9.1.2 Other Regulations

1. Students facing extenuating circumstances should discuss their situation with an academic advisor(s), up to and including the Head of Department and/or program coordinator.

2. Requests for waivers of degree or program regulations and for adjustment of course requirements must be made in writing to the Assistant Registrar responsible for the Faculty of Arts, c/o The Office of the Registrar. In the written request, the student must clearly and fully provide:

- Full name;
- Current address and telephone number;
- @mun.ca email address;
- Student ID number;
- The request that is being made, including relevant information from the university calendar and a course syllabus if applicable;
- A detailed explanation of the reasons for the extenuating request, supported by all relevant documentation; and
- The proposed resolution.

Section 9. Waiver of Regulations for Undergraduate Students (cont'd)

3. Only requests arising from extenuating circumstances beyond a student's control and which are properly documented will be brought forward to the Faculty of Arts' Committee on Undergraduate Studies.

4. Terms of reference for the Committee on Undergraduate Studies are available on the Faculty of Arts website. [link to <http://www.mun.ca/arts/services/administration/council/bylaws.pdf>] In considering a request for a waiver or substitution, the Committee normally considers the following factors:

- the need to uphold the academic integrity of all programs within the Faculty of Arts;
- the need to apply calendar regulations in a consistent and fair manner;
- the opinion of the Head of Department and/or program coordinator;
- that delayed graduation is not in itself an extraordinary circumstance; and,
- that medical documentation from a health professional must be sufficiently specific to allow proper consideration of the request. For further details, refer to UNIVERSITY REGULATIONS - Information Required in Certificates from Health Professionals.

5. A Committee decision is communicated by the Assistant Registrar to the student's @mun.ca account and to the Head of Department and/or program coordinator.

6. The procedure for appealing unfavourable decisions is outlined in the UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)."

52.9 Certificate in Film Studies

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 122, 2015-2016 Calendar, under the heading 11.10 Film Studies, amend the calendar entry as follows:

~~"11.10 Film Studies~~

~~[www.mun.ca/fmst](http://www.mun.ca/fmst)~~

~~Program Coordinator: Dr. A. Brookes, Department of German & Russian~~

~~The Minor in Film Studies is an interdisciplinary Arts program that aims to teach students to think historically, theoretically and analytically about film within the broad context of humanistic studies.~~

~~11.10.1 Bachelor of Arts Degree Requirements~~

~~The Bachelor of Arts requires the successful completion of a minimum of 120 credit hours. A student must meet the requirements for a~~

### Certificate in Film Studies (cont'd)

~~departmental Major, Minor, or Honours program and also meet the Program Regulations — General and Honours Degrees for the Faculty of Arts. A student is therefore advised to consult with the Admission to the Bachelor of Arts General Degree Programs regulations, the Program Regulations — General and Honours Degrees which also includes the Bachelor of Arts General Degree Components, The Major Program, and The Minor Program regulations. Information regarding honours programs is available at Bachelor of Arts (Honours) Degree Regulations as well as under each department's regulations.~~

~~A student is strongly encouraged to consult with an academic advisor to discuss available programs and requirements in the Faculty of Arts including the Core Requirements, The Major Program, The Minor Program, and the Bachelor of Arts (Honours) Degree Regulations. A student is advised to declare a program of study, including a Major and a Minor, before completing the first 45 credit hours of study. Information about declaring a Major and Minor in the Faculty of Arts and a list of advisors is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).~~

#### ~~11.10.2 Advising~~

~~Due to the nature of interdisciplinary programming, students must carefully plan their course selection and regularly consult with the Program Coordinator. Questions about the delivery of a course should be directed to the appropriate academic unit.~~

#### ~~11.10.2.1 Declaring the Interdisciplinary Minor~~

~~Students wishing to declare a Minor in Film Studies shall consult with the Program Coordinator to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).~~

#### ~~11.10.3 Regulations for the Interdisciplinary Minor in Film Studies~~

- ~~1. A Minor in Film Studies consists of a minimum of 24 credit hours in courses selected from Table 1 Faculty of Arts Courses for the Minor in Film Studies below, which must include:~~
  - ~~a. as per the General Regulations for Interdisciplinary Major and Minor Programs, courses from a minimum of any three Arts disciplines, and no more than 15 credit hours in any one discipline;~~
  - ~~b. English 2850 and 2851; and~~
  - ~~c. a minimum of 18 additional credit hours selected from Table 1 Faculty of Arts Courses for the Minor in Film Studies, of which there shall be a maximum of 6 credit hours~~

Certificate in Film Studies (cont'd)

~~at the 1000-level and a minimum of 6 credit hours at the 3000-level or higher.~~

- ~~2. Not more than 3 credit hours in courses in the student's Major Program may also be used to satisfy the requirements of the Minor in Film Studies.~~
- ~~3. As per the General Regulations for Interdisciplinary Major and Minor Programs, students completing a Minor in Film Studies must choose a single discipline Major.~~

11.10.3.1 Course List

~~Interdisciplinary programs provide exposure to courses in various disciplines within the Faculty of Arts. Table 1 courses are Faculty of Arts courses whose Calendar entry establishes a focus on the study of film and are fundamental to the program of study. Not all courses are necessarily offered each year. Students must be careful not to register for different designations of the same course that is crosslisted with different departments. Normal departmental prerequisites for courses are applicable.~~

Table 1 Faculty of Arts Courses for the Minor in Film Studies

1000 and 2000 Level Courses	3000 Level Courses	4000 Level Courses
Archaeology 2493 English 2813, 2850, 2851 Philosophy 2581 Religious Studies 1022	Anthropology 3404 Classics 3700 English 3813 French 3506 German 3000, 3001, 3002, 3003 History 3790, 3795 Religious Studies 3812 Russian 3003, 3023 Spanish 3300	English 4402 History 4200, 4695 Russian 4002

Page 106, 2015-2016 Calendar, under the heading 8.5.5 Regulations Concerning the Former Lifelong Learning Certificate in Public Administration, amend the calendar entry as follows:

**“8.6 Certificate in Film Studies**

[www.mun.ca/arts/filmstudies](http://www.mun.ca/arts/filmstudies)

Program Coordinator: Dr. Alec Brookes, German and Russian

The Certificate in Film Studies is designed for those who are interested in film as a form of cultural production that spans the globe. The program acquaints students with film as form before exploring how it is deployed in multiple settings and how it evolves depending on political, social, historical, economic, and technological contexts.

## Certificate in Film Studies (cont'd)

### **8.6.1 Advising**

Throughout their program of study, students enrolled in a Certificate in Film Studies are encouraged to contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here. The Coordinator liaises with representatives of participating departments, and normally communicates a tentative schedule of upcoming course offerings to students so that they can plan accordingly.

### **8.6.2 Declaring the Certificate in Film Studies**

Students interested in a Certificate in Film Studies are first encouraged to consult with the Program Coordinator to discuss the requirements of the program. After consultation with the Coordinator, students wishing to enroll in the certificate can declare a Certificate in Film Studies by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).

### **8.6.3 Regulations for the Certificate in Film Studies**

As part of the Certificate in Film Studies students must complete a communications theory course and a film theory course, supplemented by courses analyzing film in specific contexts. Students are encouraged to take foundation courses before proceeding with the other requirements for the certificate.

The Certificate in Film Studies consists of 21 credit hours as prescribed below:

1. 3 credit hours in Communication Studies 2001 or English 2813;
2. 3 credit hours in English 2850 or 2851; and,
3. a minimum of 15 additional credit hours selected from Table 1 Faculty of Arts Courses for the Certificate in Film Studies, of which there shall be a minimum of 3 credit hours at the 3000-level.

**Table 1: Faculty of Arts Courses for the Certificate in Film Studies**

<u>Foundation Theory Courses</u>	<u>1000-level and 2000-level Film Courses</u>	<u>3000-level Film Courses</u>
<u>Communication Studies 2001</u> <u>English 2813, 2850, 2851</u>	<u>Archaeology 2493</u> <u>Philosophy 2581</u> <u>Religious Studies 1022</u>	<u>Anthropology 3404</u> <u>Classics 3700</u> <u>French 3506</u> <u>German 3000, 3001, 3002, 3003</u> <u>History 3790, 3795</u> <u>Russian 3003, 3023</u> <u>Spanish 3300</u>

Certificate in Film Studies (cont'd)

**8.6.4 Course Prerequisites**

Many approved courses are suitable for students in all disciplines without a background in the discipline. Other approved courses may have prerequisites.

**8.6.5 Regulations Concerning the Former Minor in Film Studies**

The Certificate in Film Studies cannot be awarded to those who have already been awarded a Minor in Film Studies.”

Page 104, 2015-2016 Calendar, under the heading 8 Certificate Programs Offered in the Faculty of Arts, add “Certificate in Film Studies” to the list of certificate programs.

Page 112, 2015-2016 Calendar, under the heading 11.5.4 Regulations for the Interdisciplinary Major in Communication Studies, amend the calendar entry as follows:

**“11.5.4 Regulations for the Interdisciplinary Major in Communication Studies**

1. A major ...

...

c. a minimum of 18 additional credit hours chosen from Table 1 Core Faculty of Arts Courses Approved for the Major in Communication Studies and/or Table 2 Other Faculty of Arts Courses Approved for the Major in Communication Studies, including a minimum of 15 credit hours at the 3000-level or above, including at least one 4000-level course. This may include up to 9 6 credit hours in non-CMST courses chosen from Table 1 courses eligible for the Certificate in Film Studies ~~Minor in Film Studies (see Table 1 Faculty of Arts Courses for the Minor in Film Studies).~~

...”

Page 112, 2015-2016 Calendar, under the heading 11.5.5 Course List, amend the calendar entry as follows:

**“11.5.5 Course List**

1. Interdisciplinary programs ...

...

Certificate in Film Studies (cont'd)

**Table 2 Other Faculty of Arts Courses Approved for the  
Major in Communication Studies**

<b>1000 and 2000 Level Courses</b>	<b>3000 Level Courses</b>	<b>4000 Level Courses</b>
Anthropology 2413, 2416 English 2010, 2700 Geography 2001, 2195 Gender Studies 2005 Linguistics 2300 or Philosophy 2300 Philosophy 2571 Religious Studies 2812, 2830	Archaeology 3001 or Folklore 3001 or Medieval Studies 3001 or History 3020 Archaeology 3710 or Folklore 3700 Archaeology 3850 or Folklore 3850 English 3350, 3351, 3816, 3843, 3912 English 3460 or Folklore 3460 Folklore 3360, 3612, 3930 Gender Studies 3005 Linguistics 3212 Religious Studies <u>3812</u> , 3820 Sociology 3140, 3731	Anthropology 4417 English 4400, 4843 Folklore 4100 or History 4100 Folklore 4440 History 4216 Political Science 4360

Page 159, 2015-2016 Calendar, under the heading 12.5 Communication Studies, amend the calendar entry as follows:

**“2001 Introduction to Communication Theory** provides an introduction to theoretical approaches to organization, use and manipulation of language, including semiotics, performativity, mass and group communications, sociolinguistics and interpersonal communication. We will examine notions of influence, rhetoric, social judgment, deception, subject formation, globalization and cultural hybridity within the field of communications.

PR: Prior completion of CMST 2000 is encouraged”

52.10 Department of Archaeology

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 109, 2015-2016 Calendar, under the heading 11.3 Archaeology, amend the calendar entry as follows:

**“11.3 Archaeology**

www.mun.ca/archaeology

...

**11.3.5 Major in Archaeology (Co-operative)**

**11.3.5.1 Archaeology Co-operative Education (ACE)**

This Archaeology Program is available to full-time Archaeology majors only. The student majoring in Archaeology must meet the requirements listed under **Regulations for the General Degree of Bachelor of Arts**



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and section **11.3.2.1 First Courses** above. In addition, the ACE Program requires two work term courses, 300W and 400W, as described in section **12.2.1 Work Terms**.

The ACE Program is an extension of the existing BA and BA Honours programs. The program is administered by Co-operative Education at Memorial University. With the help of Co-operative Education and the Department of Archaeology, students will be given placement opportunities within the province, within Canada, and even internationally. Municipal organizations and not-for-profit groups may qualify for Advancing Non-profit and Voluntary Investments in Learning (Anvil) funding via the provincial government. For International placements that do not offer remuneration to individuals doing short-term work placements, the Department can waive the requirement that a particular work placement be paid. Admission and continuance in the program is competitive. Co-operative Education students are required to maintain a minimum 65% overall average. Students are also required to complete certain professional development seminars through Co-operative Education at Memorial University.

1. **Admission Requirements**

- a. Admission is competitive and selective. Therefore, prospective students are encouraged to consider alternate degree program(s) in the event that they are not accepted into the Archaeology Co-operative Education program.
- b. Applicants should note that it is possible to enter Term 1 only in the Fall semester commencing in September of each academic year. Application forms are available in the Archaeology Office.
- c. The primary criterion used in reaching decisions on applications for admission is overall academic achievement. Students with weak overall academic records are unlikely to be admitted.
- d. To be eligible for admission to Term 1 an applicant must have successfully completed a minimum of 30 credit hours with an overall average of at least 65% as follows: All applicants must have completed Archaeology 1030, and 2480 and an Archaeology Field or significant archaeology experience. It is also advised that students choose courses which can satisfy the requirements for the **Core Program** (see **Regulations for the General Degree of Bachelor of Arts** for these requirements), including courses in a second language.
- e. Students who have already completed more than the 30 credit hours that are required for admission to the program may apply for entry into the program with Advanced Standing. These students will be placed in the term of the program judged to be appropriate considering the number of credit hours. Previous

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work term and field or laboratory work experience can also be taken into consideration.

- f. Transfer students from other universities will be placed in the term of the program judged to be appropriate considering equivalent credits, as determined by the Department.

2. **Program of Study**

- a. Promotion from each term requires a passing grade in all specified required courses and an overall average of at least 65% in all courses including electives. A student who fails a required course or fails to maintain the overall average of 65% will not be promoted to the next term and will be required to withdraw from the program. The student in question may apply for readmission in a subsequent year after passing the specified required course(s) previously failed, and re-establishing the 65% average.
- b. In addition to the 30 credit hours required for admission, students are required to complete a total of 120 credit hours (including a field school) and two Work Terms. Students wishing to change the sequence of the work terms must first consult with the ACE Coordinator and receive written approval from the Head of the Department or delegate. Students must complete their program on an academic term.
- c. **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) Classification of Students** notwithstanding, students require permission from the Department Head to register for courses while on work terms if the courses are in addition to the prescribed program. Normally, work terms are considered full-time employment with no time for additional course work.

3. **Work Term Placement**

- a. Work placement is not guaranteed but every effort is made to ensure that appropriate employment is made available. In the case of students who are required to withdraw from the program, Co-operative Education at Memorial University has no responsibility for placement until they have been re-admitted to the program.
- b. A student who applies for admission to the co-operative education program gives permission to the University to provide a copy of the applicant's resume, university transcript and work term evaluations to potential employers.

Department of Archaeology

- c. A student who has been accepted to the ACE Program may obtain his/her own work term placement outside the competition. Such employment positions must be confirmed by the employer, and must be approved by the ACE coordinator.
- d. Students are expected to submit, within a month from starting a Work Term, a plan of the intended work that term, following the template provided by the Department of Archaeology.

4. **Registration and Evaluation of Performance**

- a. In Work Terms I and II, students must register for Archaeology 300W and 400W respectively.
- b. Student performance evaluations are to be completed by the employer and returned to the Co-operative education Coordinator. The Work Term evaluations shall consist of two components:
  - i. On-the-job Student Performance:  
Job performance shall be assessed by the Co-operative Education Coordinator in consultation with the Department using information gathered during the Work Term and input from the employer at the end of the Work Term. Formal written documentation from the employer shall be sought. Evaluation of the job performance will result in one of the following classifications: OUTSTANDING, ABOVE EXPECTATIONS, SATISFACTORY, MARGINAL PASS, FAIL.
  - ii. The Work Report:
    - Students are required to submit a Work Term report to the coordinator on the first day of final exams.
    - Work Term reports shall be evaluated by a faculty member and the ACE Coordinator.
    - If an employer designates a report to be of a confidential nature, both employer and the coordinator must agree as to the methods to protect the confidentiality of such a report before the report may be accepted for evaluation.
    - Reports must contain original work related to the Work Term placement. The topic must relate to the work experience and will be chosen by the student in consultation with the employer. The topic must be approved by the ACE Coordinator or a faculty member of the Department of Archaeology

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c. Evaluation of the Work Term report will result in one of the following classifications: OUTSTANDING, ABOVE EXPECTATIONS, SATISFACTORY, MARGINAL PASS, FAIL.

The evaluation of the job performance and the work term report will result in one of the following final grades being awarded:

- Pass with Distinction: Indicates OUTSTANDING PERFORMANCE in both the work report and the job performance.
- Pass: Indicates that PERFORMANCE MEETS EXPECTATIONS in both the work report and the job performance.
- Fail: Indicates FAILING PERFORMANCE in the work report or the job performance.

d. For promotion from the Work Term, a student must obtain at least a Pass. Students should also refer to the **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)** of the University. The grades awarded for each Work Term will be noted on the transcript of the student.

e. If a student fails to achieve the Work Term standards specified above, the student will be required to withdraw from the program. Such a student may reapply to the program after a lapse of two semesters, at which time the student will be required to repeat the Work Term with satisfactory performance before being admitted to any further academic term in the Program. A given Work Term may be repeated only once.

f. In order to be considered for readmission, students must formally apply for readmission to the program not later than the deadline date specified in Clause b. of the Admission section 1. above.

g. A student who withdraws from a Work Term without acceptable cause subsequent to a job placement will be required to withdraw permanently from the Co-operative education program. Students who drop a Work Term without prior approval from both the ACE Coordinator and the Head of the Department of Archaeology, or who fail to honour an agreement to work with an employer, or conduct themselves in such a manner as to cause their discharge from the job will normally be awarded a failed grade for the Work Term in question. Permission to drop a Work Term does not constitute a waiver of degree requirements, and students who have obtained such permission must complete an approved Work Term in lieu of the one dropped.

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**11.3.6 Honours in Archaeology (Co-operative)**

**11.3.6.1 Admission Requirements**

Students must also meet the **Regulations for the General Degree of Bachelor of Arts, and Regulations for the Honours Degree of Bachelor of Arts**. See Major in Archaeology (Co-operative) Archaeology Co-operative Education (ACE) Option.

**11.3.6.2 Program of Study**

1. See the **General Regulations for the B.A. (Honours) Degrees**. Students intending to complete an Honours program are required to be majors and must complete 60 credit hours in Archaeology, including Archaeology 4994 and Archaeology 4995 (or Archaeology 4996). In addition, the ACE Program requires two work Term courses, 300W and 400W, as described in section **12.2.1 Work Terms**.
2. Promotion from each Term requires an overall average of at least 65% in all courses including electives. A student who fails a required course or fails to maintain an overall average of 65% will not be promoted to the next term and will be required to withdraw from the program. The student in question may be eligible for readmission in the subsequent year after passing the specified required course(s) previously failed. See also **UNIVERSITY REGULATIONS - Regulations for the Honours Degree**.
3. In addition to the 30 credit hours required for admission, students are required to complete 120 credit hours (including a field school) and two Work Terms. Students wishing to change the sequence of the work terms must first consult with the ACE Coordinator and receive approval in writing from the Head of the Department or delegate. Students must complete their program on an academic term.
4. **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)**, Classification of Students notwithstanding, students do not require special permission to register for courses while on work terms if the courses are in addition to the prescribed program.

**11.3.6.3 Work Term Placement**

See Major in Archaeology (Co-operative) Archaeology Co-operative Education (ACE) Option.

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**11.3.6.4 Registration and Evaluation of Performance**

See Major in Archaeology (Co-operative) Archaeology Co-operative Education (ACE) Option.

**Table 3 Suggested Course Progression for Major/Honours  
in Archaeology (Co-operative Option)**

<b><u>Term</u></b>	<b><u>Courses</u></b>
<b><u>First Year</u></b>	<u>ARCH 1030</u>  <u>ARCH 2480</u>
<b><u>Second Year</u></b>	<u>3 credit hours from Group 1 (Core Courses)</u>  <u>6 credits hours from Group 3 (Regional Courses)</u> <u>and/or Group 4 (Topical Courses)</u>  <u>Students applying for the ACE Program are</u> <u>required to take an Archaeology Field or</u> <u>Laboratory School after their second year of study.</u> <u>The courses associated with the field/lab school</u> <u>include ARCH 3583 (Intersession),</u> <u>ARCH 3585 and ARCH 3586 (Spring), and these</u> <u>count towards the Field and Laboratory course</u> <u>requirements - 9 credit hours Group 2 (Field and</u> <u>Laboratory Courses).</u>
<b><u>Third Year</u></b>	<u>3 credit hours from Group 3 (Regional Courses)</u>  <u>Work Term 1</u>
<b><u>Fourth Year</u></b>	<u>ARCH 4182</u>  <u>ARCH 4411</u>  <u>ARCH 4994 and ARCH 4995 (or 4996) -</u> <u>Honours Program only</u>  <u>Work Term 2</u>  <u>3 credit hours from Group 4 (Topical Courses)</u>

Page 154, 2015-2016 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

**“12.2 Archaeology**

Department of Archaeology (cont'd)

**12.2.1 Work Terms**

The following Work Terms are a requirement of the Bachelor of Arts Co-operative Education Option.

**300W Work Term 1 (Co-operative)** will be the student's first work experience in a professional environment. Students are expected to learn, develop and practice the high standards of behaviour normally expected in the workplace. Students may be required to attend seminars on professional development.

PR: Admission to the ACE Program; ARCH 3585 and 3586 or previous archaeological experience; a minimum overall average of 65%; and permission of the ACE Coordinator and Department Head.

CH: 0

**400W Work Term 2 (Co-operative)** builds on previous work term experiences and academic instruction as students will be assigned to a more challenging position. Students will now possess the necessary academic grounding and work experience to contribute to the problem-solving and management needs of a professional work environment. Students should observe and appreciate the attitudes, responsibilities and ethics normally expected of professionals, and should exercise greater independence and responsibility in their assigned work functions.

PR: Admission to the ACE Program; ARCH 300W; a minimum overall average of 65%; and permission of the ACE Coordinator and Department Head.

**UL: Can only be used in the Co-operative Education Program for the Department of Archaeology"**

Page 100, 2015-2016 Calendar, under the heading 5.4 Regulations Governing Co-operative Education Program, amend the calendar entry as follows:

**"5.4 Regulations Governing Co-operative Education Program**

See **Department of Archaeology, Department of Economics and Department of Political Science"**

52.11 Faculty of Arts

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 94, 2015-2016 Calendar, under the heading 5.1 Bachelor of Arts General Degree Components, amend the calendar entry as follows:

Faculty of Arts (cont'd)

**“5.1 Bachelor of Arts General Degree Components**

1. A student for the General Degree of Bachelor of Arts must complete a minimum of 120 credit hours in courses subject to the following regulations.
2. A Bachelor of Arts emphasizes the study of the Humanities and Social Sciences. The Bachelor of Arts General Degree consists of the following components:
  - a. **Core Requirements** courses, some of which may also be used to satisfy other components of the Degree;
  - b. a **Major Program**, or alternatively an **Honours Program**;
  - c. a **Minor Program**, or alternatively a second major;
  - d. **Electives.**...

Page 95, 2015-2016 Calendar, under the heading 5.1.2.2 Critical Reading and Writing (CRW) Requirement, amend the calendar entry as follows:

**“5.1.2.2 Critical Reading and Writing (CRW) Requirement**

The Critical Reading and Writing Requirement (CRW) is designed to ensure that students develop university-level foundational knowledge and skills in critical reading and writing in the Humanities and/or Social Sciences, as described in the CRW course guidelines available at [www.mun.ca/arts/crw](http://www.mun.ca/arts/crw). To fulfill the Critical Reading and Writing Requirement, a student must complete a minimum of 6 credit hours in foundational Critical Reading and Writing courses. This shall include 3 credit hours in a 1000-level CRW course offered by English, and an additional 3 credit hours in any Faculty of Arts course whose title begins with ~~the~~ “Critical Reading and Writing in...,” chosen from the following eligible courses:

Archaeology 1001, English 1080, 1101, 1102, 1103, 1110, Gender Studies 2005, German 1010, History 1300, 1301, Philosophy 1001, 1230, Political Science 1001, Religious Studies 1001, University 1020, 1500. Courses offered at Grenfell Campus using these course numbers are only eligible if they meet the CRW criteria specified above.



Faculty of Arts (cont'd)

~~A student is encouraged to complete the second CRW course in another area of study included in the Breadth of Knowledge Requirement, normally in his/her respective Major or Minor, if available. Normally, students will complete 3 credit hours in an English CRW course, and 3 credit hours in a CRW course in another area of study included in the Breadth of Knowledge Requirement, preferably in the student's respective Major or Minor if available. The foregoing notwithstanding, any student who has completed a minimum of 3 credit hours in any English course may instead elect to fulfill the CRW Requirement by completing 6 credit hours in CRW courses in any disciplines in the Humanities and/or Social Sciences. A Critical Reading and Writing course cannot also be used to fulfill the Language Study Requirement or the Quantitative Reasoning Requirement. Guidelines for CRW courses are maintained by the Committee on Undergraduate Studies.~~

~~For the 2015-16 academic year, some courses will maintain their designation as the former Research/Writing (R/W), and may be used towards the Critical Reading and Writing (CRW) Requirement, provided that at least 3 credit hours are obtained in a CRW or R/W course delivered by the Department of English.~~

Page 96, 2015-2016 Calendar, under the heading 5.1.2.4 Quantitative Reasoning (QR) Requirement, amend the calendar entry as follows:

**“5.1.2.4 Quantitative Reasoning (QR) Requirement**

The Quantitative Reasoning (QR) Requirement is designed to ensure that students develop university-level foundational knowledge and skills in numeracy, quantitative analysis, logical reasoning involving numbers, and/or the graphical representation of data, as described in the QR course guidelines available at [www.mun.ca/arts/qr](http://www.mun.ca/arts/qr). To fulfill the Quantitative Reasoning Requirement, a student must complete a minimum of 6 credit hours in foundational Quantitative Reasoning courses in the Arts, through any combination of the following:

1. Eligible ~~Faculty of Arts~~ Humanities and Social Sciences courses: Archaeology 2450, Economics 2000-level courses; Geography 1050, 2102, 2195, 2302; History 2000; Linguistics 2210, 3850; Philosophy 2210, 2211; Political Science 3010, 3350; Sociology 3040, 3041.
2. Eligible Faculty of Science courses ~~outside the Faculty of Arts~~ (limited to disciplines for which there is an Arts Major): Computer Science 1000-level and 2000-level courses; Mathematics 1000-level courses, 2050; Psychology 2910, 2911, 2920; Statistics 1510, 2500, 2550.

Faculty of Arts (cont'd)

Some foundation-level Quantitative Reasoning courses have prerequisites and/or are offered at the 3000-level. Such courses will normally be completed after the first 45 credit hours. Guidelines for QR courses are maintained by the Committee on Undergraduate Studies.”

Page 96, 2015-2016 Calendar, under the heading 5.1.3 The Major Program, amend the calendar entry as follows:

**“5.1.3 The Major Program**

A Major program is offered by departments, leading to the General Degree of Bachelor of Arts. A Departmental Major Program consists of a minimum of 36 to a maximum of 45 credit hours taken in a subject listed in **The Major Program**. An alternative to a departmental Major is an **Interdisciplinary Major**. An alternative to a General Degree is an **Honours Degree**.

~~1.A departmental Major Program shall consist of a minimum of 36 to a maximum of 45 credit hours taken in a subject listed in **The Major Program** or **Interdepartmental Major and Minor Programs**.~~

~~2.1.~~ Departmental Major Programs are offered by the following departments in the Faculty of Arts: Anthropology, Archaeology, Classics, Economics, English, Folklore, French, Gender Studies, Geography, German, History, Linguistics, Philosophy, Political Science, Religious Studies, Russian, Sociology, Spanish. As an alternative, **Interdisciplinary Arts Major Programs** are available (see 5.1.5.2 Interdisciplinary Arts Major Programs). ~~Majors are also available through Bachelor of Arts Major Programs are also offered by~~ the following Faculty of Science departments: Computer Science, Mathematics and Statistics, Psychology.

~~3.2.~~ In departments that offer programs leading to either a degree of Bachelor of Arts or a degree of Bachelor of Science, a student is free to choose either degree program and may change from one to the other. A student may not obtain both a Bachelor of Arts and a Bachelor of Science degree in the same Major subject. Furthermore, a student must complete a minimum of one of the Major or the Minor, or a minimum of one of the two Majors, in a Humanities or Social Sciences program offered by the Faculty of Arts.

~~4.As an alternative to a departmental Major, interdisciplinary Major programs, administered by the Faculty of Arts, are available and are administered by program coordinators and are described under **Interdisciplinary Major and Minor Programs**.~~

Faculty of Arts (cont'd)

5. 3. A student who has completed courses in the area of the Major at another university is required to complete at least ~~12~~ 18 credit hours in that subject at Memorial University of Newfoundland.

~~6.4.~~A student must follow the regulations for the Major programs as set forth in the appropriate section of the Calendar.

~~7.5.~~The Head of the Department or Departmental Undergraduate Academic Advisor of the Major program can advise the student on the selection of courses in the Major.

6. Departmental regulations do not prevent a student from completing more than the minimum required credit hours in the subjects of the Major and/or Minor. A student may complete additional courses in the Major and/or Minor subject area and, if eligible, use them towards the BA Electives.”

Page 96, 2015-2016 Calendar, under the heading 5.1.4 The Minor Program, amend the calendar entry as follows:

**“5.1.4 The Minor Program**

A Departmental Minor Program shall consist of at least 24 credit hours taken in a subject other than that of the Major and normally chosen from the subjects listed under **The Major Program**. As an alternative to a departmental Minor, interdisciplinary Arts Minor programs are available and are described under **Interdisciplinary Major and Minor Programs**.

1. Departmental Minor Programs are offered by the following departments in the Faculty of Arts: Anthropology, Archaeology, Classics, Economics, English, Folklore, French, Gender Studies, Geography, German, History, Linguistics, Philosophy, Political Science, Religious Studies, Russian, Sociology, Spanish. As an alternative, **Interdisciplinary Arts Minor Programs** are available (see 5.1.1.3 Interdisciplinary Arts Minor Programs). In addition to the Departmental Minor Program in Arts disciplines and those detailed under the **Interdisciplinary Arts Minor Programs**, Minors are also available through the Faculty of Business Administration, the School of Music, and relevant departments in the Faculty of Science. Such programs are governed by regulations which are detailed in the Calendar entries for the Faculty of Business Administration, the School of Music, and relevant departments in the Faculty of Science.

Faculty of Arts (cont'd)

2. A student must complete a minimum of one of the Major or the Minor, or a minimum of one of the two Majors, in a Humanities or Social Sciences program offered by the Faculty of Arts.

~~4. 3.~~ A student must follow the regulations for the Minor program as set forth in the appropriate section of the Calendar.

~~2. 4.~~ The Head of the Department or Departmental Undergraduate Academic Advisor of the Minor program can advise the student on the selection of courses in the Minor.

~~3. 5.~~ A student who has completed courses in the area of the Minor at another university is required to complete at least ~~6~~ 9 credit hours in that subject at Memorial University of Newfoundland.

~~4. Up to 12 credit hours in courses offered by a single department as part of an interdisciplinary program may be used to satisfy the requirements for the Minor, provided they are in accordance with the regulations governing that Minor.~~

~~5. In addition to the Departmental Minor Program in Arts disciplines and those detailed under the Interdisciplinary Arts Minor Programs, Minors are available through the Faculty of Business Administration, the School of Music, and relevant departments in the Faculty of Science. These programs are governed by regulations which are detailed in the Calendar entries for the Faculty of Business Administration, the School of Music, and relevant departments in the Faculty of Science.~~

6. As an alternative to a Minor, a student may simultaneously complete a second Major program. The student must follow all General and Departmental or Program Regulations for this Major program.

7. Departmental regulations do not prevent a student from completing more than the minimum required credit hours in the subjects of the Major and/or Minor. A student may complete additional courses in the Major and/or Minor subject area and, if eligible, use them towards the BA Electives."

Page 97, 2015-2016 Calendar, under the heading 5.1.5.2 Interdisciplinary Arts Major Programs, amend the calendar entry as follows:

**"5.1.5.2 Interdisciplinary Arts Major Programs**

1. A student must follow the regulations for the interdisciplinary Arts Major program as set forth in the appropriate section of the Calendar. Interdisciplinary Arts Major programs are available in **Communication Studies** (Department of English), **Law and Society** (Department of Political Science), **Medieval Studies** (Department of Philosophy), and **Police Studies** (Department of Sociology).

Faculty of Arts (cont'd)

2. These interdisciplinary Arts Major programs shall require not fewer than 36 and not more than 45 credit hours.
3. A student completing an interdisciplinary Arts Major program must choose a Minor in a single discipline (i.e., offered by a department or another eligible Faculty). Instead of a Minor, a second Major in a single discipline may be pursued; however, only one Major may be interdisciplinary. All General and Departmental or Program Regulations for this second Major program must be followed.
4. A maximum of 12 credit hours from an interdisciplinary Arts Major may be used to satisfy the requirements of a single disciplinary Minor or second Major, provided they are in accordance with the regulations governing both programs.
5. For an interdisciplinary Arts Major, other than courses exclusive to the interdisciplinary program of study (e.g., Law and Society courses used for the Law and Society program), a maximum of 15 credit hours from any one discipline listed in the Faculty of Arts **Course Descriptions** shall be eligible. No more than 6 credit hours in undergraduate courses which are not listed in the Faculty of Arts **Course Descriptions** shall be eligible. Students completing such courses are still required to complete the minimum number of Faculty of Arts courses as per **Electives** below. Courses delivered only at Grenfell Campus shall be treated on a case-by-case basis in the manner prescribed for adding courses in **General Regulations for Interdisciplinary Major and Minor Programs**.
6. A student who has completed courses in the area of the interdisciplinary Arts Major at another university is required to complete at least ~~42~~ 18 in that subject or in courses applicable to the program at Memorial University of Newfoundland.

In Departments which offer programs leading to both a degree of Bachelor of Arts and a degree of Bachelor of Science, a student is free to choose the degree program he/she wishes to follow and may change from one to the other; however, he/she may not obtain both degrees in the same Major subject.”

Page 97, 2015-2016 Calendar, under the heading 5.1.5.3 Interdisciplinary Arts Minor Programs, amend the calendar entry as follows:

**“5.1.5.3 Interdisciplinary Arts Minor Programs**

1. A student must follow the regulations for the interdisciplinary Arts Minor program as set forth in the appropriate section of the Calendar. Interdisciplinary Arts Minor programs are available

Faculty of Arts (cont'd)

in ~~Aboriginal Studies, Film Studies, Law and Society~~ (Department of Political Science) and ~~Medieval Studies~~ (Department of Philosophy). and ~~Newfoundland and Labrador Studies.~~

2. These interdisciplinary Arts Minor programs shall require not fewer than 24 credit hours.
3. A student completing an interdisciplinary Arts Minor program must choose a single disciplinary Major (i.e., in a single department discipline).
4. A maximum of 6 credit hours from the interdisciplinary Arts Minor may be used to satisfy the requirements of the single disciplinary Major, provided they are in accordance with the regulations governing both programs.
5. For an interdisciplinary Arts Minor, other than courses exclusive to the interdisciplinary program of study (e.g., Law and Society courses used for the Law and Society program), a maximum of 9 credit hours from any one discipline listed in the Faculty of Arts **Course Descriptions** shall be eligible. No more than 3 credit hours in undergraduate courses which are not listed in the Faculty of Arts **Course Descriptions** shall be eligible. Students completing such courses are still required to complete the minimum number of Faculty of Arts courses as per **Electives** below. Courses delivered only at Grenfell Campus shall be treated on a case-by-case basis in the manner prescribed for adding courses in **General Regulations for Interdisciplinary Major and Minor Programs**.
6. A student who has completed courses in the area of the interdisciplinary Arts Minor at another university is required to complete at least ~~6~~ 9 credit hours in that subject or in courses applicable to the program at Memorial University of Newfoundland.
7. In addition to the Departmental Minor Program in Arts disciplines and those detailed under the Interdisciplinary Arts Minor Programs, Minors are available through the **Faculty of Business Administration**, the **School of Music**, and departments in the **Faculty of Science**. These programs are governed by regulations which are detailed in the Calendar entries for the Faculty of Business Administration, the School of Music, and departments in the Faculty of Science.
8. Departmental regulations are not intended to prevent a student from completing more than the minimum required credit hours in the subjects of their Major and Minor.”

Faculty of Arts (cont'd)

operative) Prior to admission to the Bachelor of Commerce (Co-operative) Program, amend the calendar entry as follows:

**“5.5.1 Suggested Program of Studies: Bachelor of Arts and Bachelor of Commerce (Co-operative) Prior to admission to the Bachelor of Commerce (Co-operative) Program**

...

**Notes:**

1. *The Bachelor of Arts requires completion of a **Major Program**, a **Minor Program**, a set of **Core Requirements**, and **Elective** courses, totalling at least 78 credit hours in courses offered by departments within the Faculty of Arts. Majors are also available from the following Departments in the Faculty of Science: Computer Science, Mathematics and Statistics, and Psychology, provided that additional credit hours are completed in Humanities and/or Social Sciences courses as stipulated below. When the Bachelor of Arts is completed jointly with the Bachelor of Commerce (Co-operative):*
  - a. *Minor program requirements are satisfied by Business courses specified in the **Bachelor of Commerce (Co-operative) Curriculum (Completed Jointly With The Degree of Bachelor of Arts)** Table.*
  - b. *Core requirements for English Critical Reading and Writing (CRW) courses and Quantitative Reasoning are satisfied by courses completed in Terms A/B or during Terms 1 or 2 of the Bachelor of Commerce (Co-operative) degree. English 1021 does not qualify as a CRW course but for these students only shall be deemed eligible.*
  - c. *It is recommended that the Core Requirement for 6 credit hours in courses in a single language other than English be completed in Terms A/B of the Bachelor of Commerce (Co-operative) degree program.*
  - d. *Major requirements for the Bachelor of Arts may be satisfied in 36 to 45 credit hours, depending on the department or program chosen. Students are strongly recommended to seek advice from the department or program of their Major to ensure that their proposed degree program is possible within the constraints of course scheduling and prerequisites. When a Major is completed in Computer Science, Mathematics, Statistics or Psychology, all credit hours used to fulfill the B.A. **Core Requirements** (excluding the Quantitative Reasoning requirement) and the B.A. Electives must be completed in Humanities and/or Social Science areas of*

Faculty of Arts (cont'd)

study listed in the Bachelor of Arts **Breadth of Knowledge Requirement.**

2. *Students are advised that, in order to complete the joint degrees within the minimum 150 credit hours, they must complete at least five of the courses required for the Bachelor of Arts as opportunities arise and as courses are offered. These courses may be completed during the Spring semesters between Terms A/B and Term 1, between Terms 2 and 3, or during any of the three Work Terms (for example, in the evening or by distance), or as sixth courses during any of the academic terms (following submission of a course load waiver).*
3. *To meet the requirements for the Bachelor of Commerce (Co-operative), not fewer than 15 and not more than 36 credit hours in Business electives must be chosen from **Table 4 Business Electives**. Students intending to complete the joint degrees in the minimum number of 150 credit hours should ensure that at least 78 of these credit hours are completed in courses offered by departments within the Faculty of Arts. Subject to the aforementioned limitations, Majors are also available from the following Departments in the Faculty of Science: Computer Science, Mathematics and Statistics, and Psychology. Careful planning, particularly in the selection of elective courses as well as in the sequence of Major program courses, is therefore recommended to ensure timely completion of the joint degrees.”*

Page 101, 2015-2016 Calendar, under the heading 6 Limited Enrolment Courses, amend the calendar entry as follows:

**“6 Limited Enrolment Courses and Transfer Credits**

**6.1 Limited Enrolment Courses**

Certain course offerings in the Faculty of Arts will be identified as being Limited Enrolment Courses and will be clearly identified as such in the University Timetable. Students who have registered for a Limited Enrolment Course must confirm their registration either (1) by attending at least one of the first three hours of lectures in the course (and the first meeting of any laboratory section of the course, if appropriate); or (2) by notifying the department in writing within the first five university working days of the semester. Students who do not confirm their registration may be dropped from the course on the recommendation of the Head of Department.



Faculty of Arts (cont'd)

**6.2 Transfers from Other Post-Secondary Institutions**

The following Faculty of Arts regulations are in addition to GENERAL ACADEMIC REGULATIONS (UNDERGRADUATE).

1. As per GENERAL ACADEMIC REGULATIONS (UNDERGRADUATE) – GRADUATION, a student who completes fewer than one-half of the credit hours required for the degree is eligible only to obtain an “unclassified” degree. For these students, at least one-half of the minimum number of credit hours required for a Major (or a second Major) and at least one-third of the minimum number of credit hours required for a Minor must be completed at this university.
2. No more than 9 of the 18 combined credit hours required to fulfill the Critical Reading and Writing (CRW), Language Study (LS) and Quantitative Reasoning (QR) Requirements may be transferred as equivalencies from another institution. In addition, no more than 3 credit hours in a CRW course may be transferred towards the CRW Requirement. Additional transferred credit hours that would normally qualify towards these requirements may be eligible to fulfill other requirements of the degree.
3. The Faculty of Arts’ Committee on Undergraduate Studies is responsible for assessing the eligibility of specific (designated) Grenfell Campus courses for the Core Requirements. Refer to BACHELOR OF ARTS GENERAL DEGREE REQUIREMENTS, CORE REQUIREMENTS.
4. Limits on credit transfer hours exist for the Honours, Major and Minor in French. Refer to Program Regulations – Department of French and Spanish.
5. Limits on credit transfer hours exist for the Honours, Major and Minor in History. Refer to Program Regulations – Department of History.
6. Limits on credit transfer hours exist for the Honours, Major and Minor in Spanish. Refer to Program Regulations – Department of French and Spanish.”

Page 112, 2015-2016 Calendar, under the heading 11.5 Communication Studies, amend the calendar entry as follows:

**“11.5 Communication Studies**

[www.mun.ca/cmst](http://www.mun.ca/cmst)

~~Program Coordinator: Dr. E. Warkentin, Department of German and Russian~~

Faculty of Arts (cont'd)

The Major in Communication Studies is administered by the Department of English.”

Page 112, 2015-2016 Calendar, under the heading 11.5.2 Advising, amend the calendar entry as follows:

**“11.5.2 Advising**

Due to the nature of interdisciplinary programming, students must carefully plan their course selection and regularly consult with the program’s designated academic advisor ~~the Program Coordinator~~. Questions about the delivery of a course should be directed to the appropriate academic unit.”

Page 112, 2015-2016 Calendar, under the heading 11.5.3 Declaring the Interdisciplinary Major in Communication Studies, amend the calendar entry as follows:

**“11.5.3 Declaring the Interdisciplinary Major in Communication Studies**

Students wishing to declare a Major in Communication Studies shall consult with the program’s designated academic advisor ~~the Program Coordinator~~ to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

Page 113, 2015-2016 Calendar, under the heading 11.5.6 Previous Calendar Regulations, amend the calendar entry as follows:

**“11.5.6 Previous Calendar Regulations**

In accordance with UNIVERSITY REGULATIONS - Degree and Departmental Regulations, Year of Degree and Departmental Regulations - Faculty of Arts and Faculty of Science, candidates for a Major in Communication Studies will normally follow regulations in effect in the academic year in which the student first completes a course in that subject at the 2000 level or above which may be applied to the major or minor program respectively. However, the student may elect to follow subsequent regulations introduced during the student’s tenure in a program. ~~who had completed a 2000-level course or above in Communication Studies prior to September 2014 will normally follow the program regulations in effect at that time. Such students may instead elect to follow the Communication Studies program regulations outlined in this version of the Calendar. These "grandparented" students~~

Faculty of Arts (cont'd)

are encouraged to consult the ~~Program Coordinator~~ program's designated academic advisor for assistance with course selection.

In the case of departmental regulations for a major or minor, a student will normally follow regulations in effect in the academic year in which the student first completes a course in that subject at the 2000 level or above which may be applied to the major or minor program respectively. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program.”

Page 136, 2015-2016 Calendar, under the heading 11.17 Law and Society, amend the calendar entry as follows:

**“11.17 Law and Society**

[www.mun.ca/lwso](http://www.mun.ca/lwso)

~~Program Coordinator: Dr. P. Dold, Head, Department of Gender Studies~~

The Major and Minor in Law and Society are administered by the Department of Political Science.”

Page 137, 2015-2016 Calendar, under the heading 11.17.2 Advising, amend the calendar entry as follows:

**“11.17.2 Advising**

Due to the nature of interdisciplinary programming, students must carefully plan their course selection and regularly consult with the program's designated academic advisor ~~the Program Coordinator~~. Questions about the delivery of a course should be directed to the appropriate academic unit.”

Page 137, 2015-2016 Calendar, under the heading 11.17.3 Declaring the Interdisciplinary Major or Interdisciplinary Minor in Law and Society, amend the calendar entry as follows:

**“11.17.3 Declaring the Interdisciplinary Major or Interdisciplinary Minor in Law and Society**

Students wishing to declare a Major or a Minor in Law and Society shall consult with the program's designated academic advisor ~~the Program Coordinator~~ to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

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Page 138, 2015-2016 Calendar, under the heading 11.17.7 Previous Calendar Regulations, amend the calendar entry as follows:

**“11.17.7 Previous Calendar Regulations**

In accordance with UNIVERSITY REGULATIONS - Degree and Departmental Regulations, Year of Degree and Departmental Regulations - Faculty of Arts and Faculty of Science, candidates for an Interdisciplinary Major or Minor in Law and Society will normally follow regulations in effect in the academic year in which the student first completes a course in that subject at the 2000 level or above which may be applied to the major or minor program respectively. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program. ~~who had completed a 2000-level course or above in Law and Society prior to September 2014 will normally follow the program regulations in effect at that time. Such students may instead elect to follow the Law and Society program regulations outlined in this version of the Calendar. These “grandparented” students are encouraged to consult the Program Coordinator~~ program's designated academic advisor for assistance with course selection.”

Page 139, 2015-2016 Calendar, under the heading 11.20 Medieval Studies, amend the calendar entry as follows:

**“11.20 Medieval Studies**

[www.mun.ca/mst](http://www.mun.ca/mst)

~~Program Coordinator: Dr. S. O'Neill, Department of Philosophy~~  
The Major and Minor in Medieval Studies are administered by the Department of Philosophy.”

Page 140, 2015-2016 Calendar, under the heading 11.20.2 Advising, amend the calendar entry as follows:

**“11.20.2 Advising**

Due to the nature of interdisciplinary programming, students must carefully plan their course selection and regularly consult with the program's designated academic advisor ~~the Program Coordinator~~. Questions about the delivery of a course should be directed to the appropriate academic unit.”

Page 140, 2015-2016 Calendar, under the heading 11.20.3 Declaring the Interdisciplinary Major or Interdisciplinary Minor in Medieval Studies, amend the calendar entry as follows:

Faculty of Arts (cont'd)

**“11.20.3 Declaring the Interdisciplinary Major or Interdisciplinary Minor in Medieval Studies**

Students wishing to declare a Major or Minor in Medieval Studies shall consult with the program's designated academic advisor ~~the Program Coordinator~~ to discuss the requirements of the program. Information about declaring a program of study in the Faculty of Arts is available at [www.mun.ca/arts/programs/undergraduate/ideclare.php](http://www.mun.ca/arts/programs/undergraduate/ideclare.php).”

Page 141, 2015-2016 Calendar, under the heading 11.20.7 Previous Calendar Regulations, amend the calendar entry as follows:

**“11.20.7 Previous Calendar Regulations**

In accordance with UNIVERSITY REGULATIONS - Degree and Departmental Regulations, Year of Degree and Departmental Regulations - Faculty of Arts and Faculty of Science, candidates for an Interdisciplinary Major or Minor in Medieval Studies will normally follow regulations in effect in the academic year in which the student first completes a course in that subject at the 2000 level or above which may be applied to the major or minor program respectively. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program. ~~who had completed a 2000-level course or above in Medieval Studies prior to September 2014 will normally follow the program regulations in effect at that time. Such students may instead elect to follow the Medieval Studies program regulations outlined in this version of the Calendar. These "grandparented" students are encouraged to consult the Program Coordinator~~ the program's designated academic advisor for assistance with course selection.”

Page 143, 2015-2016 Calendar, under the heading 11.23 Police Studies, amend the calendar entry as follows:

**“11.23 Police Studies**

[www.mun.ca/plst](http://www.mun.ca/plst)

Program Coordinator: Dr. A. Hall, Department of Sociology

The Major in Police Studies is administered by the Department of Sociology.”

Page 144, 2015-2016 Calendar, under the heading 11.23.7 Previous Calendar Regulations, amend the calendar entry as follows:

**“11.23.7 Previous Calendar Regulations**

Faculty of Arts (cont'd)

In accordance with UNIVERSITY REGULATIONS - Degree and Departmental Regulations, Year of Degree and Departmental Regulations - Faculty of Arts and Faculty of Science, candidates for the ~~former~~ Interdisciplinary Major in Police Studies will normally follow regulations in effect in the academic year in which the student first completes a course in that subject at the 2000 level or above which may be applied to the major or minor program respectively. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program. ~~who had completed a 2000 level course or above in that program prior to September 2014 will normally follow the program regulations in effect at that time. Such students may instead elect to follow the Major in Police Studies program regulations outlined in this version of the Calendar. These "grandparented" students are encouraged to consult the Program Coordinator the program's designated academic advisor for assistance with course selection."~~

Page 159, 2015-2016 Calendar, under the heading 12.5 Communication Studies, amend the calendar entry to read as follows:

**"12.5 Communication Studies**

For Communication Studies course descriptions see under English."

Page 161, 2015-2016 Calendar, under the heading 12.7 English, amend the calendar entry to read as follows:

**"12.7 English**

**12.7.1 Communication Studies**

*[move existing CMST entries here from 12.5]"*

Page 181, 2015-2016 Calendar, under the heading 12.18 Law and Society, amend the calendar entry as follows:

**"12.18 Law and Society**

For Law and Society course descriptions see under Political Science."

Page 184, 2015-2016 Calendar, under the heading 12.21 Medieval Studies, amend the calendar entry as follows:

**"12.21 Medieval Studies**

For Medieval Studies course descriptions see under Philosophy."

Faculty of Arts (cont'd)

Page 185, 2015-2016 Calendar, under the heading 12.22 Philosophy, amend the calendar entry as follows:

**“12.22 Philosophy**

**12.22.1 Medieval Studies**

*[move existing MST entries here from 12.21]”*

Page 187, 2015-2016 Calendar, under the heading 12.23 Police Studies, amend the calendar entry as follows:

**“12.23 Police Studies**

For Police Studies course descriptions see under Sociology.”

Page 187, 2015-2016 Calendar, under the heading 12.24 Political Science, amend the calendar entry as follows:

**“12.24 Political Science**

**12.24.1 Co-op Work Terms**

**12.24.2 Law and Society**

*[move existing LWSO entries here from 12.18]”*

Page 193, 2015-2016 Calendar, under the heading 12.27 Sociology, amend the calendar entry as follows:

**“12.27 Sociology**

**12.27.1 Police Studies**

*[move existing PLST entries here from 12.23]”*

52.12 School of Pharmacy

It was moved by Dr. Marra, seconded by Dr. Mulligan, and carried that, provided adequate resources are available, on page 449, 2015-2016 Calendar, under the heading 2 Student Code of Conduct, amend the calendar entry as follows:

**“2 Student Code of Conduct**

Memorial University of Newfoundland expects that students will conduct themselves in compliance with University Regulations and Policies, Departmental Policies, and Federal, Provincial and Municipal

### School of Pharmacy (cont'd)

laws, as well as codes of ethics that govern students who are members of regulated professions. The *Student Code of Conduct* outlines the behaviors which the University considers to be non-academic misconduct offences, and the range of remedies and/or penalties which may be imposed. Academic misconduct is outlined in [UNIVERSITY REGULATIONS - Academic Misconduct](#) in the University Calendar.

For more information about the *Student Code of Conduct*, see:  
<http://www.mun.ca/student/conduct/conduct.php>

### **2.1 Pharmacy Students**

In addition to the *Student Code of Conduct* above, students in the Pharmacy program are required to adhere to the Newfoundland and Labrador Pharmacy Board Code of Ethics, the Code of Professional Conduct for Pharmacy Students, and the School of Pharmacy Pledge of Professionalism (as outlined on the School of Pharmacy website: <http://www.mun.ca/pharmacy/programs/bsc/currentstudents.php>)”

Page 449, 2015-2016 Calendar, under the heading 3 School Description, amend the calendar entry as follows:

### **“3 School Description**

~~The School of Pharmacy offers an undergraduate degree in pharmacy and graduate degrees in pharmaceutical sciences.~~ The School of Pharmacy is committed to providing ~~an undergraduate~~ programs of quality and excellence that will prepare individuals ~~who will to~~ contribute significantly in ~~all settings~~ pharmacy practice settings. The experiential learning component of the programs ensures students have the opportunity to integrate academic learning with professional practice and to develop the necessary knowledge, skills and attitudes required of practising pharmacists. The School encourages a close working relationship among students, faculty, and staff, and prides itself on its strong association with and support of the pharmacy community at both the provincial and national level.

Additional information regarding the School of Pharmacy (undergraduate and graduate programs) is available at [www.mun.ca/pharmacy/](http://www.mun.ca/pharmacy/). ~~For more information on graduate programs see~~ [School of Graduate Studies](#).

Students must meet all regulations of the School in addition to those stated in the general regulations. For information concerning fees and charges, admission/readmission to the University, and general academic regulations (Undergraduate), refer to UNIVERSITY REGULATIONS.



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**3.1 Vision Statement**

Working together towards a healthy tomorrow; *Become...the future of pharmacy.*

**3.2 Mission Statement**

As a School of Pharmacy with a strong sense of community, we are dedicated to:

- expanding the School of Pharmacy and developing the School as a Centre of Excellence for Comprehensive Pharmacy Studies;
- preparing pharmacy professionals committed to collaborative patient-centered care;
- fostering excellence and innovation in research and graduate studies;
- advancing the scope of pharmacy practice; and
- building upon a learning environment in which every student is valued.

**3.3 Accreditation Status**

The School of Pharmacy is accredited by the Canadian Council for Accreditation of Pharmacy Programs (CCAPP) to ~~June 2016~~ 2017.”

Page 450, 2015-2016 Calendar, under the heading 4 Description of Program, amend the calendar entry as follows:

**“4 Description of Program – Bachelor of Science (Pharmacy)**

The Bachelor of Science (Pharmacy) program is no longer available for admission. Students previously admitted to this program, and in good standing, must complete all program requirements by 2021. Students currently completing the requirements for this program must follow the Calendar regulations for the Academic year in which they were admitted to the program. Memorial University of Newfoundland Calendars by academic year can be viewed at [www.mun.ca/regoff/calendar.php](http://www.mun.ca/regoff/calendar.php).

The Bachelor of Science (Pharmacy) degree is replaced by the entry-to-practice Doctor of Pharmacy degree in Fall of 2017. As the Doctor of Pharmacy (Pharm.D.) program is introduced, the Bachelor of Science (Pharmacy) will be phased out. Students admitted to the Bachelor of Science (Pharmacy) program, who experience a disruption in their studies (e.g., medical leave, extended absence), may not be able to complete the degree requirements as described in the University

School of Pharmacy (cont'd)

Calendar for the year they were admitted. Every reasonable effort will be made to accommodate the student's completion of the Bachelor of Science (Pharmacy) degree requirements by 2021.

The School of Pharmacy offers an undergraduate program leading to the degree of Bachelor of Science (Pharmacy). This degree is designed to prepare graduates for careers primarily in community and hospital settings but also in the pharmaceutical industry, pharmacy organizations, health sciences research, government, and educational environments. After successful completion of national examinations, a graduate of the program is eligible to apply to be licensed as a pharmacist in Newfoundland and Labrador and other provinces in Canada.

The program of study leading to the Bachelor of Science (Pharmacy) degree has two phases and requires at least five years to complete. Prior to entry to the program students will acquire a background in the mathematical and physical sciences. Once in the program students will take courses in the basic health sciences, pharmacy sub-specialties and social/administrative sciences. At the end of each year students will have an opportunity to apply the academic knowledge acquired and to develop and practice patient care skills by participating in experiential learning within community and hospital settings. During the program students will develop an understanding of the professional and societal responsibilities of a pharmacist, and will recognize the need for lifelong learning.

All courses in the School of Pharmacy are designated by the abbreviation PHAR.

**4.1 Structured Practice Experience**

Students are required to successfully complete all experiential components of the program, including the Structured Practice Experience (SPE). During SPE's students are placed in a variety of pharmacy practice settings and are brought into direct contact with patients, pharmacists and other health professionals. Students become involved in the practice of pharmaceutical care and are expected to assume increasing responsibility as their education advances. Such practice experiences ensure students are exposed to situations which cannot be provided in the classroom.

1. The Joint Committee on Structured Practice Experience, consisting of representatives from both the School of Pharmacy and the Newfoundland and Labrador Pharmacy Board, is responsible for providing the overall direction for the program and recommending policies and procedures for its operation.

School of Pharmacy (cont'd)

2. Students will be placed at sites by the School. The Structured Practice Experience Co-ordinator liaises with students to determine placements.
3. While every effort will be made to accommodate a student's request to complete SPEs in a specific location, a student may be assigned to any participating site within the province of Newfoundland and Labrador.
4. Students are responsible for all travel and accommodation costs associated with the SPE.
5. Students who conduct themselves in such a manner as to cause their termination from the SPE site, including breaches in confidentiality, violation of policies and professional misconduct will be assigned a grade of FAL (fail) for that SPE.
6. Students are required to provide evidence of a valid certificate, normally, in St. John Ambulance or Canadian Red Cross Standard First Aid Level C that is valid for the duration of the SPE. Equivalent certificates will be considered and assessed on an individual basis for acceptability.
7. Students are required to complete three SPEs, each of four weeks duration, and one SPE of twelve weeks duration. The first three SPEs are completed at the end of the Winter semester in the first, second, and third years of the program. The final SPE is completed in the Winter semester of the final year of the program.
8. The number of hours per week of the SPE program will be as required by CCAPP standards.
9. Students will be evaluated on their performance during the SPE and on written assignments including workbooks, pharmaceutical care case work-ups and drug information requests. Students may have workbooks audited or they may be formally examined on material learned during the SPE period. The overall evaluation of SPEs will result in the assignment of one of the following grades: PWD (pass with distinction), PAS (pass), or FAL (fail).

**4.2 Registration as a Pharmacy Student**

A student must be registered as a “Pharmacy Student” with the Newfoundland and Labrador Pharmacy Board. A student must be registered by September 30th of each academic year. As well, a student must be registered as a “Pharmacy Student” with the respective provincial or territorial licensing body prior to the commencement of Structured Practice Experiences. A student who fails to meet the requirements for licensing may be required to withdraw from the program.”

School of Pharmacy (cont'd)

Page 450, 2015-2016 Calendar, under the heading 5 Admission Regulations for the School of Pharmacy, amend the calendar entry to read as follows:

**~~“5 Admission Regulations for the School of Pharmacy~~**

~~In addition to meeting **UNIVERSITY REGULATIONS** students applying for admission for the program must meet the admission regulations of the School.~~

**~~5.1 General Information~~**

- ~~1. Admissions will be to the first year of pharmacy studies.~~
- ~~2. Entry to the School is competitive for a limited number of placements. Priority is given to applicants who are bona fide residents of Newfoundland and Labrador. The final decision on admission rests with the Admissions Committee of the School.~~
- ~~3. The Admissions Committee considers each applicant's academic background and information on the applicant's personal characteristics and achievements as given by the applicant. Personal interviews, which may include both a written and oral component, may be required. Reports from referees may also be considered.~~
- ~~4. The School of Pharmacy does not require criminal record checks or other screening procedures as a condition of admission to its program. However, students should be aware that such record checks or other screening procedures may be required by agencies used by the University for clinical or structured practice experiences related to academic course assignments necessary for graduation. Such agencies may refuse to accept students on the basis of information contained in the record check or other screening procedure thus preventing the student from completing a practice experience or other clinical requirement. As a result, such students may not be eligible for promotion or graduation.  
It is the students' responsibility to have such procedures completed as required and at their own expense.  
The screening procedures of any given agency may change from time to time and are beyond the control of the University.~~

**~~5.2 Application Forms and Deadlines~~**

- ~~1. Application forms are available in person from the School and the Office of the Registrar or through the School's website at [www.mun.ca/pharmacy](http://www.mun.ca/pharmacy). Application forms may also be obtained by writing the School of Pharmacy, Memorial University of Newfoundland, St. John's, NL A1B 3V6 or the Office of the Registrar, Admissions Office, Memorial University of Newfoundland, St. John's, NL A1C 5S7.~~

School of Pharmacy (cont'd)

- ~~2. All application forms and fees for admission to the program for the Bachelor of Science (Pharmacy) must be submitted to the Office of the Registrar of the University on or before the deadline of February 1 in any year. The program commences in the Fall semester.~~
- ~~3. Applications will be reviewed after the closing date by the Admissions Committee of the School. This Committee has the delegated authority of the School's Academic Council to admit or decline to admit applicants, following guidelines and procedures acceptable to that Council.~~
- ~~4. Each applicant is responsible for ensuring that all the required information for application is supplied to the Admissions Committee, and for providing any further information required by the Committee. An application will not be considered to be complete until all documentation has been received and appropriate fees paid.~~

**5.3 Admission Requirements to the School**

~~Applicants who are not currently students at Memorial University of Newfoundland must apply for admission to the University under the **Categories of Applicants, Admission Criteria and Other Information** outlined under **UNIVERSITY REGULATIONS- Admission/Readmission to the University (Undergraduate)**. In addition to meeting these regulations, applicants to the School must meet requirements as indicated below:~~

- ~~1. To be eligible for consideration an applicant shall have completed a minimum of 30 credit hours which have been taken or accepted for credit at a recognized university or university college.~~
- ~~2. An applicant is normally required to have completed each of the following courses or their equivalents. In the case of transfer students, the course equivalencies relate to courses taught at Memorial University of Newfoundland, St. John's campus.~~
  - ~~• Biology 1001 and 1002~~
  - ~~• Chemistry 1050 and 1051 or equivalent~~
  - ~~• Six credit hours at the 1000 level in English~~
  - ~~• Mathematics 1000 and 1001~~
  - ~~• Physics 1020 or 1050, and Physics 1021 or 1051~~
- ~~3. For students attending Grenfell Campus, the following course offerings are acceptable for admission to the School;~~
  - ~~• Biology 1001 and 1002~~
  - ~~• Chemistry 1200 and 1001~~
  - ~~• Six credit hours at the 1000 level in English~~
  - ~~• Mathematics 1000 and 1001~~
  - ~~• Physics 1020 or 1050, and Physics 1021 or 1051~~

School of Pharmacy (cont'd)

- ~~4. Normally an application will not be considered from an applicant who cannot produce evidence that the above requirements have been met or will have been met by end of the Winter semester of the year in which admission is being sought.~~
- ~~5. An unsuccessful applicant who wishes to reapply for admission is required to submit the application forms relevant to the year of reapplication and will be required to enter into the competition for that year.~~

**5.4 Acceptance Procedures**

- ~~1. Notification of the decision of the Admissions Committee of the School will be made to applicants by the Dean of the School by letter. No other form of notification will be considered official.~~
- ~~2. The letter of acceptance will give the successful applicant 10 days from the date of the letter of notification in which to confirm acceptance of the placement offer. The signed intention to accept the offer must be accompanied by a deposit of \$100, which will be credited towards tuition fees. The deposit will be forfeited if the applicant subsequently declines the offer or fails to register. If no reply is received within 10 days, the offer by the School will be withdrawn and the applicant will be informed of this by letter.”~~

Page 452, 2015-2016 Calendar, under the heading 6 Program Regulations – General Degree, amend the calendar entry as follows:

**“65 Program Regulations - General Degree Bachelor of Science (Pharmacy)**

The Bachelor of Science (Pharmacy) is no longer available for admission. Students previously admitted to this program, and in good standing, must complete all program requirements by 2021. Students currently completing the requirements for this program must follow the Calendar regulations for the Academic year in which they were admitted to the program. Memorial University of Newfoundland Calendars by Academic year can be viewed at [www.mun.ca/regoff/calendar.php](http://www.mun.ca/regoff/calendar.php).

**65.1 Bachelor of Science (Pharmacy)**

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. The program includes four structured practice experiences, three of which are non-credit, with the other having 18 credit hours.

School of Pharmacy (cont'd)

- The program courses shall normally be taken in the academic terms in the sequence and course load as set out in **Table 1 Bachelor of Science (Pharmacy)**. Students wishing to change the sequence and/or reduce the course load required in the academic terms must obtain permission from the School's Committee on Undergraduate Studies.
- Elective courses may be taken from any academic unit.

**Table 1 Bachelor of Science (Pharmacy)**

<b>Term</b>	<b>Required Courses</b>	<b>Elective Courses</b>
Courses required for admission as indicated under <b>Admission Requirements to the School)</b>	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	
Fall Academic Term 1	Chemistry 2440 PHAR 2002 PHAR 2101 PHAR 2201 PHAR 2650 Psychology 1000	
Winter Academic Term 2	PHAR 2003 PHAR 2004 PHAR 201W PHAR 2102 PHAR 2202 PHAR 2203 PHAR 2651 Psychology 1001	
Fall Academic Term 3	Medicine 4300 PHAR 3003 PHAR 3111 PHAR 3203 PHAR 3205 PHAR 3650	
Winter Academic Term 4	PHAR 3006 PHAR 3009 PHAR 302W PHAR 3103	

	PHAR 3204 PHAR 3301 PHAR 3651	
Fall Academic Term 5	PHAR 4008 PHAR 4201 PHAR 4302 PHAR 4401 PHAR 4504 PHAR 4650	
Winter Academic Term 6	PHAR 403W PHAR 4402 PHAR 4503 PHAR 4505 PHAR 4651 Philosophy 2551 or the former Philosophy 2803	3 credit hours
Fall Academic Term 7	PHAR 5301 PHAR 5302 PHAR 5401 PHAR 5506 PHAR 5650	3 credit hours
Winter Academic Term 8	PHAR 500X	

Page 453, 2015-2016 Calendar, under the heading 7 Promotion Regulations, amend the calendar entry as follows:

**“76 Promotion Regulations - Bachelor of Science (Pharmacy)**

**76.1 General Information**

- The Committee on Undergraduate Studies will determine each student's promotion status at the end of each academic year.
- In addition to meeting the promotion regulations for the School students must meet the general academic regulations (undergraduate). For further information refer to ***UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)***.
- Success in the program depends on meeting the requirements of all terms.

**76.2 Promotion Status**

A student's promotion status at the end of each academic year will be in one of the following two categories:



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**76.2.1 Clear Promotion**

Clear Promotion means a student can proceed to the next academic year without restrictions.

- Students will receive a Clear Promotion from an academic year by obtaining an average of 65% and having obtained at least a pass in each course. A weighted average based on credit hours in the Bachelor of Science (Pharmacy) program courses will be calculated for determining eligibility for promotion. Neither promotion nor graduation will be permitted if a student has a numeric grade below 50% in any course in the program.
- Students completing PHAR 2102 must obtain a numeric grade of at least 70%.
- Students completing PHAR 201W, 302W, 403W, or 500X must obtain a grade of PAS or PWD in each course.
- Students must attain a passing grade in each elective, but these courses will not be included in calculating the student's average grade for the purposes of promotion, graduation, or academic awards.

**76.2.2 Promotion Denied**

Promotion Denied indicates Clear Promotion is not achieved at the end of each academic year.

- A student with Promotion Denied status will normally be required to withdraw from the School.
  - A student who does not obtain a clear promotion may be permitted to repeat all or part of the academic year. If a student is required to repeat a year on the grounds of unsatisfactory performance, his or her performance in the repeated year must meet the conditions for Clear Promotion. If this standard is not met, the Committee on Undergraduate Studies may require the student to withdraw from the program.
  - Normally, the option to repeat a year on the grounds of academic difficulties can be offered only once during the student's Bachelor of Science (Pharmacy) program. This restriction may be waived if it has been demonstrated that the student's academic performance has been adversely affected by factors duly authenticated and acceptable to the Committee on Undergraduate Studies.
- A student with Promotion Denied status at the end of the final academic term will not be recommended for graduation until the student's status is changed to Clear Promotion.

School of Pharmacy (cont'd)

**76.3 Other Information**

- Students may be required to withdraw from their program at any time, if, in the opinion of the School, they are unlikely to benefit from continued attendance.
- The Committee on Undergraduate Studies may require a student who is deemed unlikely to benefit from continued attendance in his/her course of study to withdraw conditionally. The Chair of the committee will advise the Dean of the School of the circumstances precipitating this action, the duration of the withdrawal and any conditions the student must fulfil during the withdrawal. The Dean may then recommend to the Registrar that the student is on conditional withdrawal. Upon completing the conditions, the student may be permitted re-entry to the program. If the conditions are not met, the student may be required to withdraw from the program.
- The School reserves the right to require a student to withdraw from the program at any time when acceptable cause is demonstrated. In such cases, the Dean, on behalf of the School, shall recommend such withdrawal to the Registrar who will then take appropriate action. Any such action is subject to the right of appeal by the student. An appeal should be made in writing clearly stating the basis for the appeal and should be directed in the first instance to the Registrar of the University. The Registrar, in consultation with the Dean, will determine whether or not the grounds stated are sufficient to warrant a formal hearing of the appeal.

**76.4 Leave of Absence**

Upon completion of an academic year, a student in good standing may elect to withdraw temporarily from studies. Voluntary withdrawal at other times and for other reasons may be permitted in accordance with **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) -Registration**. In all cases, the intent to withdraw voluntarily should be discussed with the Dean. The Dean may then recommend to the Registrar that a student be permitted to withdraw for a stated period of time. At the end of this period, the student, in consultation with the Committee on Undergraduate Studies, should ensure that sufficient revision and preparatory work is undertaken to allow studies to be resumed readily. In the absence of good cause, any such student who does not resume studies on the specified date may be deemed to have left the program.”

Page 453, 2015-2016 Calendar, under the heading 8 Supplementary and Deferred Examinations Regulations, amend the calendar entry as follows:

School of Pharmacy (cont'd)

**“7 Description of Program – Doctor of Pharmacy (Pharm.D.)**

The Doctor of Pharmacy (Pharm.D.) program prepares students to graduate as medication therapy experts, prepared to embrace the full scope of pharmacy practice. Students are required to complete 30 credit hours of specific prerequisite courses prior to entry into the program, followed by five years of study in the Pharm.D. program. The Pharm.D. is student-focused, comprehensive, and experience-based. The curriculum provides students with the scientific knowledge and clinical skills necessary to enter professional practice. Instructional methods emphasize critical thinking, problem-solving, communication, professionalism, and ethical behaviours. During the Pharm.D., students will develop an understanding of the professional and societal responsibilities of a pharmacist, and will recognize the need for lifelong learning. The extensive pharmacy practice experience component prepares students for a variety of professional settings. The aim is to graduate students who are scientific inquisitors, interprofessional collaborators, independent decision makers, and leaders who have the ability to adapt their practice to fulfil their evolving professional roles. Pharm.D. graduates will be prepared to practice independently in a variety of pharmacy settings including community pharmacy, hospital pharmacy, pharmaceutical industry, pharmacy organizations, research, government, and academia.

All courses in the School of Pharmacy are designated by the abbreviation PHAR.

**7.2 Registration as a Pharmacy Student**

A student must register annually with the Newfoundland and Labrador provincial licensing body as a “Pharmacy Student” by September 30<sup>th</sup> of each year (<http://www.nlpb.ca/registration-and-licensing/registration-information/>). Additionally, prior to the commencement of a Pharmacy Practice Experience in another Canadian jurisdiction, a student must register with the respective provincial or territorial licensing body. Further requirements may exist for international Pharmacy Practice Experiences. A student who fails to meet the registration requirements will be required to withdraw from the program.

**7.3 Pharmacy Practice Experience (PPE)**

Through Pharmacy Practice Experiences, the program aims to prepare students for exemplary pharmacy practice. Students are expected to display appropriate communication, professionalism, and teamwork, and demonstrate increased independence and critical reasoning as they progress in the program. PPEs consist of early and intermediate experiences as well as Advanced Pharmacy Practice Experiences

School of Pharmacy (cont'd)

(APPE). PPEs expose students to situations which cannot be provided in the classroom.

1. The School of Pharmacy is responsible for providing overall direction for practice experiences and will oversee the placement of students at sites. Students may be assigned to any participating site within the Province of Newfoundland and Labrador; a request to complete a PPE outside the province may be considered.
2. Students are responsible for all travel and accommodation costs associated with the PPE.
3. Students are required to provide evidence of a valid Standard First Aid Level C certificate for all PPEs. Evidence of recertification must be submitted no later than one month before the expiry date of the certification.
4. Students must comply with the policies of the site to which they are assigned. Sites may have requirements for immunization, testing or documentation beyond those required by the School. Students are required to complete these requirements in a timely fashion and at their own expense. Students unable to meet these site requirements may be delayed in their program or prevented from completing their program of study.

PPE Evaluation

1. Evaluation of the student's performance is conducted by the preceptor responsible for supervising the student during the PPE. Preceptors determine the competency level of the student for each of the outcomes.
2. The School determines the grade of each PPE, based upon the evaluation provided by the preceptor. Students will be graded as PAS (pass) or FAL (fail).
3. Students who conduct themselves in such a manner as to be terminated from the PPE site will be assigned a grade of FAL (fail) for that PPE and may be required to withdraw from the program.

**8 Admission Regulations - Doctor of Pharmacy (Pharm.D.)**

In addition to meeting UNIVERSITY REGULATIONS, students applying for admission for the program must meet the admission regulations to the School.

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**8.1 General Information**

1. Admission will be to the first year of the Pharmacy program in the Fall semester.
2. Entry to the School is competitive for a limited number of seats. Priority is given to applicants who are bona fide residents of Newfoundland and Labrador. The final decision on admission is determined by Pharmacy's Committee on Undergraduate Student Admissions.
3. As part of the regular quota, one seat per year is available in the program for bona fide residents of Newfoundland and Labrador First Nations or Aboriginal ancestry who have met the minimum numeric grade and course requirements for admission to the program.
4. Pharmacy's Committee on Undergraduate Student Admissions considers each applicant's academic background and information on the applicant's personal characteristics and achievements as given by the applicant. Normally, personal interviews (which may include both a written and oral component) will be required. Reports from referees may also be considered.
5. The School of Pharmacy does not require criminal record checks or other screening procedures as a condition of admission to its program. However, applicants should be aware that such record checks or other screening procedures may be required by practice experience sites used by the University for academic course assignments necessary for graduation. Such sites may refuse to accept students on the basis of information contained in the record check or other screening procedure thus preventing the students from completing a practice experience or other clinical requirement. As a result, such students may not be eligible for promotion or graduation. It is the students' responsibility to have such checks and screening procedures completed as required and at their own expense. The screening procedures of any given site may change from time to time and are beyond the control of the University.

**8.2 Application Forms and Deadlines - Doctor of Pharmacy (Pharm.D.)**

1. Application forms are available through the School of Pharmacy's website at [www.mun.ca/pharmacy/](http://www.mun.ca/pharmacy/).

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2. All application forms, supporting documentation, and fees for admission to the program must be received on or before the deadline of February 1st in any year.
3. Incomplete applications and applications received after the deadline will not be considered.

**8.3 Admission Requirements - Doctor of Pharmacy (Pharm.D.)**

Applicants who are not currently students at Memorial University of Newfoundland must apply for admission to the University under the Categories of Applicants, Admission Criteria and Other Information outlined under UNIVERSITY REGULATIONS - Admission/Readmission to the University (Undergraduate). In addition to meeting these regulations, applicants to the School must meet requirements as indicated below.

1. To be considered for admission, an applicant 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. These courses and credits must have been taken at Memorial University of Newfoundland or accepted for transfer credit from an academic institution. The 30 credit hours are:
  - Biology 1001 and 1002
  - Chemistry 1050 and 1051 at St. John's Campus or Chemistry 1200 and 1001 at Grenfell Campus
  - 6 credit hours in English (an English Critical Reading and Writing course is recommended)
  - Mathematics 1000 and 1001
  - Physics 1020 or 1050, and Physics 1021 or 1051
2. Normally, an application will not be considered if the applicant cannot produce evidence that the above requirements have been met or will have been met by end of the Winter semester of the year in which admission is being sought.
3. An unsuccessful applicant who wishes to reapply for admission is required to submit the application forms relevant to the year of reapplication and will be required to enter into the competition for that year.

**8.4 Acceptance Procedures – Doctor of Pharmacy (Pharm.D.)**

1. The decision of Pharmacy's Committee on Undergraduate Student Admissions will be sent electronically to applicants

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- by the Dean of Pharmacy. No other form of notification will be considered official.
2. Applicants shall have 10 calendar days from the date of offer of admission in which to confirm acceptance. The signed intention to accept the offer must be accompanied by a deposit of \$500, which will be credited towards tuition fees. The deposit will be forfeited if the applicant subsequently declines the offer or fails to register in the Pharmacy program for the Fall semester.
  3. If the acceptance form and deposit is not received within 10 calendar days, the offer by the School will be withdrawn, and the applicant will be notified.
  4. Students who fail to register for courses for the Fall semester of admission will be considered withdrawn from the program. Such applicants, if they wish to be considered for admission in the future, must submit a new application for admission to the program.

Applicants requiring additional information may refer to the School of Pharmacy website at [www.mun.ca/pharmacy/](http://www.mun.ca/pharmacy/).

**9 Program Regulations – Doctor of Pharmacy (Pharm.D.)**

**9.1 Doctor of Pharmacy (Pharm.D.)**

- The 218 credit hour entry-to-practice Doctor of Pharmacy (Pharm.D.) degree requires 30 credit hours before admission to the program and 188 credit hours after admission to the program.
- The program courses normally shall be taken in the semester and in the sequence and course load as set out in Table 2 Doctor of Pharmacy (Pharm.D.).

**Table 2 Doctor of Pharmacy (Pharm.D.)**

<b><u>Semester</u></b>	<b><u>Required Courses</u></b>
<u>Courses required for admission as indicated under Admission Requirements for the Doctor of Pharmacy (Pharm.D.)</u>	<u>Biology 1001 and 1002</u> <u>Chemistry 1050 and 1051 at St. John's Campus or Chemistry 1200 and 1001 at Grenfell Campus</u> <u>6 credit hours in English (an English Critical Reading and Writing course is recommended)</u> <u>Mathematics 1000 and 1001</u> <u>Physics 1020 or 1050, and Physics</u>

	<u>1021 or 1051</u>
<u>Fall Year 1, Academic Semester 1</u>	<u>Chemistry 2400</u> <u>PHAR 2002</u> <u>PHAR 2010 (may be completed in</u> <u>Fall, Winter or Spring)</u> <u>PHAR 2201</u> <u>PHAR 2250</u> <u>PHAR 2610</u>
<u>Winter Year 1, Academic Semester 2</u>	<u>Chemistry 2401</u> <u>PHAR 2003</u> <u>PHAR 2004</u> <u>PHAR 2010 (if not previously</u> <u>completed)</u> <u>PHAR 2202</u> <u>PHAR 2251</u> <u>PHAR 2620</u>
<u>Spring Year 1, Academic Semester 3</u>	<u>PHAR 2010 (if not previously</u> <u>completed)</u>
<u>Fall Year 2, Academic Semester 4</u>	<u>PHAR 3111</u> <u>PHAR 3250</u> <u>PHAR 3270</u> <u>PHAR 3801</u> <u>PHAR 3805</u>
<u>Winter Year 2, Academic Semester 5</u>	<u>PHAR 3006</u> <u>PHAR 3251</u> <u>PHAR 3271</u> <u>PHAR 3410</u> <u>PHAR 3810</u> <u>PHAR 3825</u>
<u>Spring Year 2, Academic Semester 6</u>	<u>PHAR 305P</u>
<u>Fall Year 3, Academic Semester 7</u>	<u>PHAR 4250</u> <u>PHAR 4270</u> <u>PHAR 4620</u> <u>PHAR 4802</u> <u>PHAR 4810</u> <u>Statistics 2550</u>
<u>Winter Year 3, Academic Semester 8</u>	<u>PHAR 4251</u> <u>PHAR 4271</u> <u>PHAR 4420</u> <u>PHAR 4820</u> <u>PHAR 4860</u>
<u>Spring Year 3, Academic Semester 9</u>	<u>PHAR 406P</u> <u>PHAR 407P</u>
<u>Fall Year 4, Academic Semester 10</u>	<u>PHAR 5250</u> <u>PHAR 5270</u> <u>PHAR 5430</u> <u>PHAR 5815</u> <u>PHAR 5830</u>
<u>Winter Year 4, Academic Semester</u> <u>11</u>	<u>PHAR 508P</u> <u>PHAR 5251</u> <u>PHAR 5271</u> <u>PHAR 5275</u>



	<u>PHAR 5640</u>
<u>Year 5</u>	<u>PHAR 605P</u> <u>PHAR 606P</u> <u>PHAR 607P</u> <u>PHAR 608P</u>

## **10 Promotion Regulations – Doctor of Pharmacy (Pharm.D.)**

### **10.1 General Information**

- Pharmacy’s Committee on Undergraduate Studies will determine each student's promotion status at the end of each academic year.
- In addition to meeting the promotion regulations for the School, students must meet the general academic regulations (undergraduate). For further information refer to [UNIVERSITY REGULATIONS - General Academic Regulations \(Undergraduate\)](#).
- Success in the program depends on meeting the requirements of all semesters.

### **10.2 Promotion Status**

A student's promotion status at the end of each academic year will be in one of the following two categories:

#### **10.2.1 Clear Promotion**

Clear Promotion means a student can proceed to the next academic year. Clear Promotion is granted when all of the following criteria are met:

- A student must complete the academic year with a weighted average of at least 65% and at least a pass (numeric grade of at least 50% or PAS) in each course. A weighted average is based on credit hours in the program of study as outlined in Table 1.
- A student completing PHAR 2010 must obtain a grade of PAS (pass).
- A student completing a PPE course (PHAR 305P, 406P, 407P, 508P) must obtain a grade of PAS (pass) in each course.
- A student must maintain professional and ethical behaviour consistent with the STUDENT CODE OF CONDUCT.

#### **10.2.2 Promotion Denied**

Promotion Denied status is granted when a student does not meet the requirements for Clear Promotion at the end of the academic year. Promotion Denied is granted when any of the following criteria are met:

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- A student has obtained less than a 65% weighted average in the academic year. A weighted average will be based on credit hours in the program of study as outlined in Table 2.
- A student has obtained less than 50% in any course or has received a grade of FAL (fail) in any course within the academic year.
- A student completing a PPE course (PHAR 305P, 406P, 407P, or 508P) has obtained a grade of FAL (fail).
- A student has not maintained the professional and ethical behaviour consistent with the STUDENT CODE OF CONDUCT.

Notwithstanding the above, the School of Pharmacy may offer the student the option to repeat an academic year on the grounds of academic difficulties. This may be offered only once during the student's program. This restriction may be waived if it has been demonstrated that the student's academic performance has been adversely affected by factors duly authenticated and acceptable to Pharmacy's Committee on Undergraduate Studies.

**10.2.3 Other Information**

To be recommended for graduation, a student must have Clear Promotion at the end of academic year 4, and must have successfully completed all four Advanced Pharmacy Practice Experience (APPE) courses during academic year 5. The following criteria will be used to assess the APPE courses:

- A student must demonstrate consistent professional and ethical behaviour that meets the criteria of STUDENT CODE OF CONDUCT.
- A student is required to obtain a grade of PAS (pass) in all four APPE courses (PHAR 605P, 606P, 607P, 608P).
- Normally, if a student fails an APPE course, Pharmacy's Committee on Undergraduate Studies may permit the student to continue to the student's next scheduled APPE course and require the student to repeat the failed course at a later date. This may extend the duration of the student's program.
- In certain circumstances (such as violation of the STUDENT CODE OF CONDUCT), failure of an APPE course may result in the student being required to withdraw from the program.
- A student is permitted to repeat only one APPE course. A student who fails an APPE course (PHAR 605P, 606P, 607P, 608P) on a second attempt will be required to withdraw from the program.
- If a failed grade is received in more than one APPE course, the student will be required to withdraw from the program.

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**10.3 Student Withdrawal**

- Students may be required to withdraw from their program at any time, if, in the opinion of the Dean of Pharmacy, they are unlikely to benefit from continued attendance or if acceptable cause is demonstrated. The Dean will recommend to the Registrar that the student is required to withdraw from the program.

**10.4 Leave of Absence**

- Upon completion of an academic year, a student with Clear Promotion may elect to withdraw temporarily from studies. Voluntary withdrawal at other times and for other reasons may be permitted in accordance with [UNIVERSITY REGULATIONS - General Academic Regulations \(Undergraduate\) - Registration](#). In all cases, the intent to withdraw voluntarily shall be discussed with the Dean. At the end of this period, the student, in consultation with Pharmacy's Committee on Undergraduate Studies, should ensure that sufficient revision and preparatory work is undertaken to allow studies to be resumed readily. In the absence of good cause, any such student who does not resume studies on the specified date may be deemed to have left the program.

**8 11 Supplementary and Deferred Examination Regulations – Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

- 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 which is available from the School's website at [www.mun.ca/pharmacy/programs/bsc/currentstudents.php](http://www.mun.ca/pharmacy/programs/bsc/currentstudents.php).
- This form must be submitted within seven days following release of midterm marks in the case of supplementary midterm examinations or within seven days following release of the final grades in the case of supplementary final examinations. The completed form should be submitted to the Dean'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) and Pharmacy Practice

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Experience courses) during each academic year of the pharmacy program. For any one registration in a course, a student shall be permitted to write a final supplementary examination only once.

- For further details please refer to the School's Supplementary Examination Policy which is available at <http://www.mun.ca/pharmacy/programs/bsc/currentstudents.php> or contact the Associate Dean of Undergraduate Studies.
- Memorial University of Newfoundland has official regulations regarding deferred final examinations, available at **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Exemptions From Final Examinations and Procedures for Applying to Write Deferred Examinations**. 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 at <http://www.mun.ca/pharmacy/programs/bsc/currentstudents.php> or contact the Associate Dean of Undergraduate Studies.

### **912 Graduation – Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

~~Upon meeting the qualifications for the program a~~ A student must apply to graduate on the prescribed "Application for Graduation" form. This form may be obtained on-line at the Memorial Self Service at [www3.mun.ca/admit/twbkwbis.P\\_WWWLogin](http://www3.mun.ca/admit/twbkwbis.P_WWWLogin). Additional information is available from the Office of the Registrar at [www.mun.ca/regoff/graduation/apply\\_grad.php](http://www.mun.ca/regoff/graduation/apply_grad.php).

### **1013 Waiver of School Regulations - Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

A student has the right to request waiver of School regulations. A student wishing waiver of University academic regulations should refer to **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Waiver of Regulations**.

### **1013.1 General Information – Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

- The School reserves the right in special circumstances to modify, alter, or waive any School regulation in its application to individual students where merit and equity so warrant in the judgment of ~~the~~ the Pharmacy's Committee on Undergraduate Studies ~~of the School~~.
- All requests must be submitted to ~~the~~ the Pharmacy's Committee on Undergraduate Studies ~~of the School~~ for consideration. A student requesting a waiver of a School regulation must submit

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the request in writing to the Chair of ~~the~~ Pharmacy's Committee on Undergraduate Studies. Medical and/or other documentation to substantiate the request must be provided.

- Any waiver granted does not reduce the total number of credit hours required for the degree.

**1114 Appeal of Regulations – Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

Any student whose request for waiver of School regulations has been denied has the right to appeal. For further information refer to ***UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Appeal of Decisions.***

- Individual course grades may not be appealed as a student will normally have had the opportunity of contesting grades immediately after notification as outlined under **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate) - Appeal of Decisions, Route for Questioning Grades.**
- All appeals must be directed to the Chair of Pharmacy's Committee on Undergraduate Studies. All letters of appeal must state clearly and fully the grounds for the appeal and the resolution being sought.
- An applicant who has been denied admission has the right to appeal this decision of ~~the~~ Pharmacy's Committee on Undergraduate Student Admissions Committee if it is felt by the applicant that the decision was reached on grounds other than those outlined in **Admission Regulations for the School of Pharmacy**. The appeal ~~should~~ shall be made in writing within fourteen days of the notification of the decision and should be directed to the Dean of the School. The letter should state clearly and fully the grounds for the appeal. If the Dean of the School, in consultation with the Registrar, judges the grounds to be sufficient, the formal appeals mechanism will be initiated.
- ~~A student has the right to make a formal appeal against a decision of the Committee on Undergraduate Studies. However, this appeal cannot be made on the basis of the grades awarded in individual courses, as the student will normally have had the opportunity of contesting grades immediately after notification. A formal appeal by a student against the decision of the Committee must be made on grounds other than the grades awarded, e.g. default of procedure. This appeal should be made in writing, clearly stating the basis for the appeal and should be directed in the first instance to the Registrar of the University. The Registrar, in consultation with the Dean, will determine whether or not the grounds stated are sufficient to warrant a formal hearing of the appeal.~~

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**1215 Course Descriptions – Bachelor of Science (Pharmacy) and Doctor of Pharmacy**

In accordance with *Senate's Policy Regarding Inactive Courses*, the course descriptions for courses which have not been offered in the previous three academic years, and which are not scheduled to be offered in the current academic year have been removed from the following listing. For information about any of these inactive courses, please contact the Dean of the School.

Unless otherwise indicated, PHAR courses are restricted to the School of Pharmacy. All courses of the School are designated by PHAR. ~~and are restricted to students in the School of Pharmacy.~~

**2002 Anatomy and Physiology I** ~~presents a survey~~ provides an overview of human anatomy and physiology throughout the lifespan. It includes aspects of cytology and histology that form a foundation for the practice of pharmacy. ~~Special emphasis is given to the skeletal, muscular, nervous and endocrine systems. The course will include both the vocabulary and concepts of anatomy and physiology with the overall goal being the~~ The focus will be on developing an understanding of the interrelationships and integration of all systems from the cell to whole organism. Special emphasis is given to the skeletal, muscular, nervous and endocrine systems.

CR: Nursing 1002

LH: 2; attendance is required

**2003 Anatomy and Physiology II** ~~presents a survey~~ provides an overview of human anatomy and physiology throughout the lifespan. It includes aspects of cytology and histology that form a foundation for the practice of pharmacy. ~~Special emphasis is given to the endocrine, circulatory, respiratory, urinary, digestive and reproductive systems. The course will include both the vocabulary and concepts of anatomy and physiology with the overall goal being the~~ The focus will be on developing an understanding of the interrelationships and integration of all systems from cell to whole organism. Special emphasis is given to the endocrine, circulatory, respiratory, urinary, digestive and reproductive systems.

CR: Nursing 1012

LH: 2; attendance is required

PR: PHAR 2002

**2004 Introduction to Biochemistry** is an introduction to the major organic substances of living organisms, proteins, carbohydrates and lipids: their structure, analysis and biochemical function. Enzymes. Biochemistry of membranes: plasma membrane and specialized intracellular membranes. Biochemistry of selected differentiated cells.

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CR: Biochemistry 2101

OR: tutorials as required

PR: Chemistry 2400 and 2401, or Chemistry 2440

**2010 Service Learning** requires completion of 20 hours of service in the community in any semester within the first year of the program. Students will engage in projects or activities which will benefit both the host organization and the student. It will occur in an approved setting either in the academic community or with an off-campus community group. The goal is to provide opportunities for the student to develop communication and self-reflective learning skills, acquire new frames of reference and perspectives, and gain an enhanced sense of civic responsibility.

CH: 0

OR: 20 hours of service learning

**201W Structure Practice Experience I** is a structured practice experience in community pharmacy after completion of the first year which will provide an opportunity for students to apply their technical skills and introduce them to patient care activities. The structured practice experience is normally comprised of four weeks during May/June.

AR: attendance is required

CH: 0

LC: 0

PR: successful completion of all courses in Academic Terms 1 & 2 of the program

UL: applicable only to the Bachelor of Science (Pharmacy) program

**2101 Pharmacy Practice I** provides an introduction to the legal and professional framework of the practice of pharmacy. Pharmacy regulations in the dispensing of medications and provincial legislation that governs the practice of pharmacy will be the focus. Students will be introduced to core competencies of the profession including professionalism, interprofessionalism, pharmaceutical calculations, drug information and effective communication strategies for the provision of pharmacist care. Application of course content will occur in the concurrent course PHAR 2650.

CO: PHAR 2650

UL: applicable only to the Bachelor of Science (Pharmacy) program

**2102 Pharmacy Practice II** continues the introduction to the legal and professional framework of the practice of pharmacy. The course will focus on federal legislation that governs the practice of pharmacy, drug information, patient education and methods to deal with challenging patient behaviours. Students will be introduced to pharmaceutical care

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and begin to develop a pharmacist care plan. Students will participate in interprofessional education (IPE) modules with students from other health related programs when such modules are available. The passing grade in this course is 70%, failing which the student may be required to withdraw from the program.

CH: 2

CO: PHAR 2651

LC: 2

OR: tutorials 2 hours per week; attendance is required

UL: applicable only to the Bachelor of Science (Pharmacy) program

**2201 Pharmaceutics I** provides an insight into a number of physicochemical basics and explains them within a pharmaceutical context. The course provides the basic foundation necessary for the study of pharmaceutical dosage forms, pharmacokinetics and biopharmaceutics.

LH: 3; attendance is required

PR: Mathematics 1000 and 1001; and Chemistry 1050 and 1051, or Chemistry 1200 and 1001, or equivalent

**2202 Pharmaceutics II** is designed to provide the student with an understanding of pharmaceutical dosage forms and their applications. It applies the principles taught in Pharmaceutics I to understand the design and components of the different pharmaceutical preparations.

LH: 3; attendance is required

PR: PHAR 2201

**2203 Pharmaceutical Analysis** is designed to introduce some important techniques and methods of analysis in pharmaceutical sciences. The laboratory exercises consist of both non-instrumental and instrumental analytical techniques that are widely employed in the analysis of pharmaceuticals.

CH: 2

LC: 2

LH: 3 hours every other week; attendance is required

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

UL: applicable only to the Bachelor of Science (Pharmacy) program

**2250 Pharmacy Practice I** is the first of a series of courses in which students acquire and apply the knowledge, skills, and attitudes necessary for the practice of pharmacy. The course will include an introduction to calculations, technical skills and the legal and regulatory framework of the practice of pharmacy. The development of competence in the areas of patient care, drug information, communication, professionalism, critical thinking, and teamwork will



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begin. Application of knowledge and skills will occur in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 1 Pharmacy courses, with the exception of PHAR 2010

OR: practice sessions 2 hours per week

**2251 Pharmacy Practice II** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. The legal and professional framework of the practice of pharmacy, patient counselling, and technical skills will be emphasized. Development of competence in the areas of patient care, drug information, communication, professionalism, critical thinking, and teamwork will occur. Application of knowledge and skills will take place in real and simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 2 Pharmacy courses, with the exception of PHAR 2010

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 2250

**2610 Health Systems** provides an introduction to the Canadian healthcare system, its development, history, structure, and financing. The federal and provincial governments' involvement in the healthcare system and health policy will be presented. The roles and responsibilities of the pharmacist within healthcare will also be examined.

**2620 Social and Ethical Behaviour** introduces the social and cultural factors and determinants that influence health in Canada, and their ethical implications. Theoretical approaches from a social perspective, including value systems in Canada, ethical dilemmas, and the role of ethics in pharmacy practice, will be discussed.

CH: 2

LC: 2

PR: PHAR 2610

**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

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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

CR: the former PHAR 2150

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~~; applicable only to the Bachelor of Science (Pharmacy) program

**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 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

CR: the former PHAR 2151

LC: 0

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

PR: PHAR 2101 and 2650

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011~~; applicable only to the Bachelor of Science (Pharmacy) program

**302W Structured Practice Experience II** is a structured practice experience in hospital pharmacy after completion of the second year which will provide an opportunity for students to apply their technical skills and introduce them to patient care activities. The practical experience is normally comprised of four weeks during May/June.

AR: attendance is required

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CH: 0

LC: 0

PR: successful completion of all courses in Academic Terms 3 & 4 of the program.

UL: applicable only to the Bachelor of Science (Pharmacy) program

**305P Pharmacy Practice Experience I** provides six weeks (240 hours) of practice experience in a community pharmacy. The focus will be on the legal and regulatory framework governing pharmacy practice, prescription processing, gathering and assessing patient information, patient education, drug information, health promotion, and quality assurance. Students will apply their knowledge and skills in the provision of patient care. Effective communication skills, professionalism, and teamwork are expected.

AR: attendance is required

PR: all Semester 4 & 5 courses

**3003 Pathophysiology** examines the nature of disease, causes and effects, and alteration in structure and function of cells, inflammation, neoplasia, genetic and chromosomal diseases, healing and repair, stress and disease.

PR: PHAR 2003 or equivalent

UL: applicable only to the Bachelor of Science (Pharmacy) program

**3006 Immunology** (same as Biochemistry 4105) is an introduction to the cells and organs of the innate and adaptive immune systems. The molecular and cellular basis of allergy, autoimmunity, vaccination, and cancer immunology will also be discussed.

CR: Biochemistry 4105, Biology 4200, and the former PHAR 4105

PR: PHAR 2004

**3009 Pharmacology** explores topics in general pharmacology including drugs used in the treatment of inflammatory diseases, renal pharmacology, anticoagulant and antithrombotic drugs, antihyperlipidemics, drugs used in the treatment of anemia, and endocrine pharmacology.

PR: Medicine 4300 or equivalent

UL: applicable only to the Bachelor of Science (Pharmacy) program

**3103 Microbiology of Infectious Diseases** examines the various types of micro-organisms (bacterial, viral, parasitic and fungal), the environment in which they are able to multiply and their relationship to human diseases. The classifications of their morphology, mode of reproduction and the metabolic process, the physiological and epidemiological principles of infectious diseases and their manifestations are discussed including the principles of immunization.

UL: applicable only to the Bachelor of Science (Pharmacy) program

School of Pharmacy (cont'd)

**3111 General Biochemistry** examines the catabolism of carbohydrates, lipids, and amino acids. Other topics will be: mitochondria, chloroplasts and ATP synthesis; biosynthesis of carbohydrates and lipids; metabolic specialization of differentiated cells and tissues; and, integration of metabolism.

CR: Biochemistry 3106

PR: PHAR 2004 or Biochemistry 2101

**3203 Medicinal Chemistry I** presents topics covering the molecular basis of action, metabolism, and toxicity of drugs. It provides an orientation to medicinally important nuclei and their nomenclature, followed by principles of drug discovery and development. The relationship between molecular structure and biological action of drugs together with elementary molecular modelling, and theories related to receptors and drug action will be presented. Concepts of drug metabolism and the relevant metabolic pathways in relationship to drug inactivation and toxicity, along with the principles of drug latention and prodrugs is covered. The structures, selected physicochemical properties, mechanism of action, structure-activity relationships, toxic effects at molecular level, and metabolism of drugs including central nervous system.

CO: Medicine 4300 and PHAR 3003

OR: tutorials 1 hour per week; attendance is required

PR: Chemistry 2440 or Chemistry 2400 and 2401

UL: applicable only to the Bachelor of Science (Pharmacy) program

**3204 Medicinal Chemistry II** is a continuation of Pharmacy 3203 and focuses on the structures, selected physicochemical properties, mechanism of action, structure-activity relationships, toxic effects at molecular level, and metabolism of different pharmacological classes of drugs including cholinergic agents, analgetic and anti-inflammatory agents, insulin and oral antidiabetic drugs, steroids and related compounds, antihyperlipidemic agents, histamine and antihistaminic agents, diuretic agents, angiotensin converting enzyme inhibitors and antagonists, and calcium channel blockers.

CO: PHAR 3009

OR: tutorials 1 hour per week; attendance is required

PR: PHAR 3203

UL: applicable only to the Bachelor of Science (Pharmacy) program

**3250 Pharmacy Practice III** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. The focus will include patient assessment, care plan development, counselling, follow-up, interprofessional collaboration, and communication with special patient populations. Emphasis will be on the development of competence in the areas of

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patient care, drug information, communication, professionalism, critical thinking, and teamwork. Application of knowledge and skills will occur in real and simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 4 courses

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 2251

**3251 Pharmacy Practice IV** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. This course will build on pharmacy practice concepts and will emphasize patient safety. Development of competence in the areas of patient care, drug information, communication, professionalism, critical thinking, and teamwork will occur. Application of knowledge and skills will take place in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 5 courses

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 3250

**3270 Pharmacotherapy I** introduces pharmacotherapeutic management of common diseases and effective management of patients' drug therapy. Emphasis will be placed on identifying drug therapy problems, establishing therapeutic outcomes, recommending pharmacological and non-pharmacological therapeutic alternatives, developing individualized therapeutic regimens, and developing a monitoring plan to evaluate adherence, efficacy, and safety. Topics may include drug interactions, gastroenterological conditions, musculoskeletal conditions, nutrition, and special populations.

CH: 5

CO: PHAR 3250, 3801, and 3805

LC: 5

**3271 Pharmacotherapy II** continues the discussion of pharmacotherapeutic management of common diseases and effective management of patients' drug therapy. Emphasis will be placed on identifying drug therapy problems, establishing therapeutic outcomes, recommending pharmacological and non-pharmacological therapeutic alternatives, developing individualized therapeutic regimens, and developing a monitoring plan to evaluate adherence, efficacy, and

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safety. Topics may include cardiovascular, dermatological, respiratory, and infectious diseases.

CH: 4

CO: PHAR 3251

LC: 4

PR: PHAR 3270, 3801, and 3805

**3301 Patient Care I** is an introductory course in patient care, especially in the areas of self-care and self-treatment and the role of the pharmacist. The regulatory environment of non-prescription products and the prevention and treatment of health conditions amenable to self-management will be discussed.

CO: PHAR 3009

PR: Medicine 4300

UL: applicable only to the Bachelor of Science (Pharmacy) program

**3410 Leadership and Health Promotion** focuses on the roles of leadership, advocacy, and health promotion in pharmacy to improve patient care. Insight into leadership skills and the roles of educating, advocating, and promoting health to patients, families, communities, and society will be discussed. The change process and the leader's role in change will be introduced.

**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, 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

CR: the former PHAR 3150

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;~~ applicable only to the Bachelor of Science (Pharmacy) program

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**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 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 4 Pharmacy courses

CR: the former PHAR 3151

LC: 0

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

PR: PHAR 3650

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011;~~ applicable only to the Bachelor of Science (Pharmacy) program

**3801 Pathophysiology I** examines the nature of disease, causes and effects, and alterations in structure and function of cells. Topics may include cardiovascular, dermatological, gastrointestinal, and respiratory diseases.

CH: 2

CO: PHAR 3270 and 3805

LC: 2

PR: PHAR 2003

**3805 Pharmacology I** provides an introduction to the general principles of pharmacology including dose-response relationships, drug-receptor interactions, absorption, distribution, metabolism, and elimination of drugs. The focus will be on the pharmacological basis of the action of drugs leading to therapeutic effects, as well as adverse effects. Topics may include drugs used in the management of cardiovascular, gastrointestinal, respiratory diseases, and anti-inflammatory drugs.

CO: PHAR 3270 and 3801

PR: PHAR 2003

School of Pharmacy (cont'd)

**3810 Microbiology of Infectious Diseases** examines how the various types of micro-organisms (bacteria, viruses, parasites, and fungi) and their growth relate to human diseases. The classifications of their morphology, mode of reproduction, and the metabolic process will be discussed.

CH: 2

LC: 2

**3825 Medicinal Chemistry** examines functional group recognition, other properties of drugs, drug-receptor interactions, structure activity relationships, and rational drug design. The relationship between the chemical structure of a drug and its binding affinity toward intended target enzymes or receptors and its pharmacological activity will be discussed.

CR: PHAR 3203 and 3204

PR: Chemistry 2401 and PHAR 3111

**403W Structured Practice Experience III** is a structured practice experience in community pharmacy after completion of the third year which will provide an opportunity for students to apply their technical skills and practice and participate in patient care activities. The practical experience is normally comprised of four weeks during May/June.

AR: attendance is required

CH: 0

LC: 0

PR: successful completion of all courses in Academic Terms 5 & 6 of the program

UL: applicable only to the Bachelor of Science (Pharmacy) program

**406P Pharmacy Practice Experience II** provides two weeks (80 hours) of practice experience in a hospital pharmacy practice setting. The focus will be on the operations of a hospital pharmacy, including drug distribution, policies and procedures, and communicating with other healthcare professionals. Students will apply their knowledge and skills in the provision of pharmacy services. Effective communication skills, professionalism, and teamwork are expected.

AR: attendance is required

CH: 1

PR: all Semester 7 & 8 courses

**407P Pharmacy Practice Experience III** provides four weeks (160 hours) of practice experience in a direct patient care setting. Emphasis will be on continuing to develop patient care skills by working with a variety of patients and the healthcare team to appropriately identify,



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prevent, and resolve drug-related problems. Effective communication skills, professionalism, and teamwork, are expected.

AR: attendance is required

CH: 2

PR: all Semester 7 & 8 courses

**4008 Chemotherapy** presents the principles of infectious diseases and cancer chemotherapy. Topics to be explored include molecular structure profiles in relation to mechanism of action, drug resistance, and toxicity of antimicrobial, antiviral, and antineoplastic agents. Antimicrobial activity/spectrum of activity of antibacterials, antifungals, antimalarial, antituberculosis, and antiviral/antiretroviral agents will be discussed. The classification and mechanism of action of cancer chemotherapeutic agents will be presented. Pharmacokinetic considerations, adverse effects/toxicity, and drug interactions will be explored for these agents.

CH: 2

CO: PHAR 4401

LC: 2

OR: tutorials 1 hour per week

PR: Medicine 4300, PHAR 3006, 3009, 3103, 3203 and 3204

UL: applicable only to the Bachelor of Science (Pharmacy) program

**4201 Applied Pharmacokinetics** (same as the former PHAR 3206) 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: the former PHAR 3206

PR: Medicine 4300, PHAR 2202 and 3009

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011;~~ applicable only to the Bachelor of Science (Pharmacy) program

**4250 Pharmacy Practice V** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. Critical appraisal, patient safety, and interprofessional collaboration will be emphasized. Development of competence in the areas of patient care, drug information, communication, professionalism, critical thinking, and teamwork will occur. Application of knowledge and skills will take place in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 7 courses

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LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 3251

**4251 Pharmacy Practice VI** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. Sterile product preparation, drug information, patient safety, and calculations relevant to hospital practice will be introduced. Critical appraisal and interprofessional collaboration will also be a focus. Continued development of competence in the areas of patient care, communication, professionalism, critical thinking, and teamwork will occur. Application of knowledge and skills will take place in simulated pharmacy practice situations.

AR: attendance is required in the practice sessions

CH: 5

CO: all Semester 8 courses

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 4250

**4270 Pharmacotherapy III** continues the discussion of pharmacotherapeutic management of common diseases and effective management of the patient's drug therapy. Emphasis will be placed on identifying drug therapy problems, establishing therapeutic outcomes, recommending pharmacological and non-pharmacological therapeutic alternatives, developing individualized therapeutic regimens, and developing a monitoring plan to evaluate adherence, efficacy, and safety. Topics may include autoimmune, infectious, and musculoskeletal diseases.

CH: 4

CO: PHAR 4250, 4802 and 4810

LC: 4

PR: PHAR 3006, 3271, and 3810

**4271 Pharmacotherapy IV** continues the discussion of pharmacotherapeutic management of common diseases and effective management of patients' drug therapy. Emphasis will be placed on identifying drug therapy problems, establishing therapeutic outcomes, recommending pharmacological and non-pharmacological therapeutic alternatives, developing individualized therapeutic regimens, and developing a monitoring plan to evaluate adherence, efficacy, and safety. Topics may include cardiovascular, endocrine and renal disease, and women's and men's health.

CH: 6

CO: PHAR 4251

LC: 6

PR: PHAR 4270, 4802, and 4810

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**4302 Patient Care II** discusses the principal 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: the former PHAR 4301 and the former 3501

PR: PHAR 2101, 2102, and 3301

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011;~~ applicable only to the Bachelor of Science (Pharmacy) program

**4401 Therapeutics I** is a part of a series that looks at the therapeutic management of common diseases. Topics may include but are not restricted to infectious diseases, hematology/oncology, and dermatology. For each disease state discussion will center around several key issues including: the establishment of desired therapeutic outcomes; development of appropriate pharmacological and non-pharmacological therapeutic alternatives; factors to be considered to aid in the selection of an individualized therapeutic regimen; and the development of a monitoring plan to evaluate efficacy and safety.

CH: 6

CO: PHAR 4008 and 4201

LC: 6

OR: tutorials 2 hours per week; attendance is required

PR: Medicine 4300, PHAR 3006 and 3009

UL: applicable only to the Bachelor of Science (Pharmacy) program

**4402 Therapeutics II** is a part in a series that looks at the therapeutic management of common diseases. Topics may include but are not restricted to women's health, men's health, gastroenterology, musculoskeletal, neurological, respiratory disorders and transplantation. For each disease state discussion will center around several key issues including: the establishment of desired therapeutic outcomes; development of appropriate pharmacological and non-pharmacological therapeutic alternatives; factors to be considered to aid in the selection of an individualized therapeutic regimen; and the development of a monitoring plan to evaluate efficacy and safety.

CH: 6

LC: 6

OR: tutorials 2 hours per week; attendance is required

PR: PHAR 4401

UL: applicable only to the Bachelor of Science (Pharmacy) program

School of Pharmacy (cont'd)

**4420 Pharmacy Management I** introduces the principles of management and leadership as they relate to pharmacy practice. Topics will include the pharmacy practice environment, human resources management, financial management, operations management, marketing, risk management, quality control and improvement, and effective communications.

**4503 Pharmacy Administration** introduces students to the basic principles of management as it relates to pharmacy practice. Topics will include human resources and financial management, marketing, strategic planning and the principles and issues associated with safe and appropriate drug distribution. These will be discussed from both a community and an institutional practice focus.

UL: applicable only to the Bachelor of Science (Pharmacy) program

**4504 Pharmacy Research and Evaluation I** introduces the biostatistical, pharmacoepidemiologic and pharmacoeconomic 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.  
CR: the former PHAR 4501

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011~~; applicable only to the Bachelor of Science (Pharmacy) program

**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

CR: the former PHAR 4502

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~~; applicable only to the Bachelor of Science (Pharmacy) program

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**4620 Applied Health Research** introduces the fundamentals of research design, methods, and appraisal necessary to develop the skills to analyze and interpret clinical research. Topics include randomized clinical trials, observational studies, and pharmacoeconomic evaluations. Emphasis will be placed on making valid inferences about drug safety and effectiveness from scientific research. Principles of critically appraising the medical literature will be introduced.

CO: Statistics 2550

**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

CR: the former PHAR 4150

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;~~ applicable only to the Bachelor of Science (Pharmacy) program

**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, 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

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students from other health related programs when such modules are available.

CO: all Academic Term 6 Pharmacy courses

CR: the former PHAR 4151

LC: 0

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

PR: PHAR 4650

UL: ~~not applicable to the Bachelor of Science (Pharmacy) program for students admitted prior to Fall 2011;~~ applicable only to the Bachelor of Science (Pharmacy) program

**4802 Pathophysiology II** examines the nature of disease, causes and effects, and alterations in structure and function of cells. Topics may include endocrine disorders, renal, rheumatological and neurological diseases, neoplasia, and women's and men's health.

CO: PHAR 4270 and 4810

PR: PHAR 3801

**4810 Pharmacology II** focuses on the pharmacological basis of the action of drugs leading to therapeutic effects, as well as adverse effects. Topics may include drugs used in the management of infectious diseases, the endocrine system, and inflammatory diseases, as well as hormonal drugs and analgesics.

CO: PHAR 4270 and 4802

CH: 2

LC: 2

PR: PHAR 3006, 3805, and 3810

**4820 Pharmacokinetics** is an introduction to the biopharmaceutical and pharmacokinetic principles used in the selection, dosing, and monitoring of drug therapy. The concepts of absorption, distribution, metabolism and elimination, pharmacokinetic and pharmacodynamic mechanisms of drug interactions, and the importance of drug monitoring will be explored.

CH: 2

LC: 2

PR: PHAR 2202 and 3805

**4860 Pharmacogenomics and Biotechnology** provides insight into the development of biopharmaceuticals. Formulation, stability, dispensing, and clinical applications of biotechnology derived protein/peptide drugs will be discussed. The fundamental concepts of pharmacogenetics and pharmacogenomics will be explored. A focus will be on understanding how personalized drug therapy, based on the genetic profile of individuals, can optimize drug therapy and patient care.

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CH: 2

LC: 2

PR: PHAR 2202 and 3111

**500X Structured Practice Experience IV** provides experience in clinical practice. Students will participate as members of the health care team. They will be responsible for providing pharmaceutical care to patients. Activities will include attending patient care rounds, providing in-services and drug information, and participating in case presentations. The structured practice experience is comprised of two six week modules.

AR: attendance is required

CH: 18

LC: 0

PR: successful completion of all Academic Term 7 courses ~~all course requirements for the degree~~ and Clear Promotion

UL: applicable only to the Bachelor of Science (Pharmacy) program

**508P Pharmacy Practice Experience IV** provides two weeks (80 hours) of practice experience during Semester 11 in an institutional direct patient care setting. This course serves as a transition to the Advanced Pharmacy Practice Experiences. Emphasis will be on developing independence in providing patient care under the mentorship of a preceptor or of an advanced practice pharmacy student. Effective communication skills, professionalism, and teamwork are expected.

AR: attendance is required

CH: 1

PR: all Semester 10 courses

**5250 Pharmacy Practice VII** continues the acquisition, development, and application of the knowledge, skills, and attitudes necessary for the practice of pharmacy. Critical appraisal, patient safety, and interprofessional collaboration will be emphasized. Continued development of competence in the areas of patient care, communication, professionalism, critical thinking, and teamwork will occur. Students will be expected to demonstrate increased independence during the application of knowledge and skills in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Semester 10 courses

LC: 2

PR: PHAR 4251

OR: practice sessions 3 hours per week

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**5251 Pharmacy Practice VIII** is the final course in the series where students acquire, develop, and apply the knowledge, skills, and attitudes necessary for the practice of pharmacy. Demonstration of competence in the areas of patient care, drug information, communication, professionalism, critical thinking, and teamwork will be expected. Application of knowledge and skills will occur in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 4

CO: all Semester 11 courses

LC: 2

OR: practice sessions 3 hours per week; course runs over 10 weeks to accommodate PHAR 508P PR: PHAR 5250

**5270 Pharmacotherapy V** is the final course in the series that examines the pharmacotherapeutic management of common diseases and effective management of the patient's drug therapy. Emphasis will be placed on identifying drug therapy problems, establishing therapeutic outcomes, recommending pharmacological and non-pharmacological therapeutic alternatives, developing individualized therapeutic regimens, and developing a monitoring plan to evaluate adherence, efficacy, and safety. Topics may include neurological, oncological, and addictions and mental health conditions.

CH: 6

CO: PHAR 5815

LC: 6

PR: PHAR 4271

**5271 Advanced Pharmacotherapy** expands and integrates the knowledge and skills acquired from the Pharmacotherapy series of courses through application to complex patient scenarios. Critical thinking skills necessary for optimizing pharmacotherapy in a variety of patient care situations will be the focus of the course.

CH: 5

LC: 6

OR: course runs over 10 weeks to accommodate PHAR 508P

PR: PHAR 5270

**5275 Symposium in Pharmacy** is a forum for students to research, develop and deliver formal presentations related to pharmacy practice. Students will be expected to interpret, synthesize, and present information effectively. The presentations will allow for application of knowledge and reflection on content.

AR: attendance is required

CO: PHAR 5251

CH: 2

LC: 2



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**5301 Clinical Toxicology** covers the toxicology and clinical management of toxicity associated with common medications.

CH: 2

CO: PHAR 5401

LC: 2

UL: applicable only to the Bachelor of Science (Pharmacy) program

**5302 Patient Care III** focuses on pharmaceutical care considerations in special patient populations (e.g., geriatrics, neonates, pediatrics, pregnancy and lactation, critically ill, etc.). Implementation of pharmaceutical care in hospital, ambulatory and community practice settings will be discussed.

CO: PHAR 5401

OR: tutorials 1 hour per week; attendance is required

UL: applicable only to the Bachelor of Science (Pharmacy) program

**5401 Therapeutics III** is part in a series that looks at the therapeutic management of common diseases. Topics may include but are not restricted to endocrine, psychiatric, renal and cardiovascular disorders. For each disease state discussion will centre around several key issues including: the establishment of desired therapeutic outcomes; development of appropriate pharmacological and non-pharmacological therapeutic alternatives; factors to be considered to aid in the selection of an individualized therapeutic regimen; and the development of a monitoring plan to evaluate efficacy and safety.

CH: 6

LC: 6

OR: tutorials 2 hours per week

PR: PHAR 4402

UL: applicable only to the Bachelor of Science (Pharmacy) program

**5430 Pharmacy Management II** prepares students for the various roles of management in pharmacy practice, regardless of position or practice setting. Management principles including communications, leadership, finance, human resources management, marketing, and promotion will be applied through demonstrating leadership, business planning, and pharmacy service implementation.

CH: 2

LC: 2

PR: PHAR 4420

**5506 Pharmacy Research and Evaluation III** (same as the former PHAR 5501) 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

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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

CR: the former PHAR 5501

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~~; applicable only to the Bachelor of Science (Pharmacy) program

**5640 Social Justice and the Pharmacist** will enable students to critically analyse the role of social justice as an integral part of the practice of pharmacy. The course will include a focus on the interconnectedness of health equity with global contexts that include social class, ethnicity, gender, ability, and mental health. Critical thinking skills will be used to examine complex health and social issues.

CH: 2

LC: 2

**5650 Pharmacy Skills** (same as the former PHAR 5150) 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

CR: the former PHAR 5150

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~~; applicable only to the Bachelor of Science (Pharmacy) program

**5815 Pharmacology III** is the final course in the series that focuses on the pharmacological basis of the action of drugs leading to therapeutic

School of Pharmacy (cont'd)

effects, as well as adverse effects. Topics may include drugs used in the management of oncological, mental health, and neurological conditions as well as drugs of abuse.

CH: 2

CO: PHAR 5270

LH: 2

PR: PHAR 4810

**5830 Applied Pharmacokinetics** discusses pharmacokinetic principles of drug selection, dosing, and monitoring in the clinical setting for individualization of drug therapy.

CH: 2

LC: 2

PR: PHAR 4820

**605P Advanced Pharmacy Practice Experience: Direct Patient Care** is an eight week (320 hours) direct patient care practice experience completed during the final year of the program (following Semester 11). Students will be expected to demonstrate leadership in the responsible provision of patient care by becoming an integral member of the healthcare team while confidently using clinical reasoning and critical thinking skills. Mentorship of junior students may be a component of this experience.

AR: attendance is required

CH:12

PR: all Semester 10 & 11 courses

**606P Advanced Pharmacy Practice Experience: Acute Care Hospital** is an eight week (320 hours) practice experience where patient care is provided in an acute care hospital setting and is completed during the final year of the program (following Semester 11). Students will be expected to demonstrate leadership in the responsible provision of patient care by becoming an integral member of the healthcare team while confidently using clinical reasoning and critical thinking skills. Mentorship of junior students may be a component of this experience.

AR: attendance is required

CH: 12

PR: all Semester 10 & 11 courses

**607P Advanced Pharmacy Practice Experience: Community Pharmacy** is an eight week (320 hours) practice experience where patient care is provided in a community pharmacy setting and is completed during the final year of the program (following Semester 11). Students will be expected to demonstrate leadership in the responsible provision of patient care by applying expanded scope of practice skills, as well as communicating and collaborating with

School of Pharmacy (cont'd)

patients, the pharmacy team, other health professionals, and the public while confidently using clinical reasoning and critical thinking skills. Mentorship of junior students may be a component of this experience.

AR: attendance is required

CH: 12

PR: all Semester 10 & 11 courses

**608P Advanced Pharmacy Practice Experience: Elective** is a six week (240 hours) experience completed during the final year of the program (following Semester 11). The experience may occur in either a direct or non-direct patient care setting. Options include patient care, research, health policy, drug information, teaching/education, advocacy, and administration. Placements may vary from year to year depending upon site and preceptor availability.

AR: attendance is required

CH: 9

PR: all Semester 10 & 11 courses”

Page 98, 2015-2016 Calendar, under the heading 5.1.6 Electives, amend the calendar entry as follows:

**“5.1.6 Electives**

...

- a. Outdoor Pursuits or Expeditions in Environmental Studies
- b. Internships, Student Teaching or Practicum in Education
- c. Physical Activities and Coaching courses in Human Kinetics and Recreation
- d. Applied Music or Ensemble Techniques in Music
- e. Nursing Practice or Clinical Practicum in Nursing
- f. ~~Structural~~ Structured Practice Experiences ~~Experience (SPE) or Pharmacy Practice Experiences in Pharmacy~~
- g. Field Placements in Social Work
- h. Master Classes in Fine Arts (Theatre)
- i. Studio Courses in Fine Arts (Visual)”

Page 66, 2015-2016 Calendar, under the heading 6.1 Classification of Students, amend the calendar entry as follows:

**“6.1 Classification of Students**

...

- c. Students who are registered for the duration of any semester in a co-operative education work term, the internship required of the Computer Industry Internship Option (CIIO), or the Structured Practice Experiences ~~Experience~~ or Pharmacy Practice

School of Pharmacy (cont'd)

Experiences required of the School of Pharmacy will be deemed full-time students.

...

Page 78, 2015-2016 Calendar, under the heading 6.12.2 Classification of General Degrees, amend the calendar entry as follows:

**“6.12.2 Classification of General Degrees**

...

7. The following degrees are not classified: Bachelor of Education (Intermediate/Secondary), Bachelor of Engineering, Bachelor of Maritime Studies, Bachelor of Music Education, Bachelor of Post-Secondary Education (as a second degree), Bachelor of Science (Pharmacy), Doctor of Pharmacy, Bachelor of Special Education, Bachelor of Technology, Doctor of Medicine, and all degrees offered by the School of Human Kinetics and Recreation.”

53. Faculty of Arts Name Change

A proposal has been received that the name of the Faculty of Arts be changed to Faculty of Humanities and Social Sciences. All references to “Faculty of Arts” shall be changed to “Faculty of Humanities and Social Sciences” in the University Calendar. It was moved by Dr. Phillips, seconded by Dr. Murrin, and carried that this proposal be approved for recommendation to the Board of Regents for final approval.

54. Executive Committee of Senate – Membership and Terms of Reference

Ms. Singleton, Secretary, Executive Committee of Senate, advised that the Executive Committee of Senate considered its Membership and Terms of Reference as part of the ad hoc Committee on Senate Reform’s review of the effectiveness of current Senate Standing Committees and the potential usefulness of additional Standing Committees.

It was agreed to amend 1.(h) to read:

“(h) An appropriate number of Senators”

It was also agreed to add a new clause 2.(e) to read:

“(e) to consider requests to an extension of the time limit in which Notices of Appeal shall be submitted to the Senate Committee on Academic Appeals.”

Executive Committee of Senate – Membership and Terms of Reference  
(cont'd)

The Membership and Terms of Reference will read as follows:

- “1. Membership
  - (a) Chair of Senate, Chair
  - (b) Chair of University Planning and Budget Committee
  - (c) Registrar
  - (d) Dean of Graduate Studies
  - (e) Chair of Senate Committee on Undergraduate Studies
  - (f) Three undergraduate students, Director of Advocacy (or designated alternate) from the Memorial University Students' Union, one appointed by the Marine Institute Students' Union, and one appointed by the Grenfell Campus Student Union.
  - (g) Vice-President Academic of the GSU (or designated alternate)
  - (h) An appropriate number of Senators
2. Terms of Reference
  - (a) To receive reports from standing and ad hoc committees of Senate.
  - (b) To act on matters delegated to it by Senate, in particular the following:
    - (i) To grant approval for the awarding of degrees, diplomas or certificates as recommended by various faculty and academic councils.
    - (ii) On the recommendation of the Committee on Committees, to appoint members to Senate Committees when Senate normally does not meet.
  - (c) To submit to Senate at each meeting a report consisting of an agenda, together with relevant documentation.
  - (d) To refer to various University Academic bodies any matters as deemed necessary to expedite the business of Senate.
  - (e) to consider requests to an extension of the time limit in which Notices of Appeal shall be submitted to the Senate Committee on Academic Appeals.”

It was moved by Ms. Singleton, seconded by Dr. George, and carried that the membership and terms of reference be approved.

55. Presentation by Senate Standing Committee

Continuation of presentations of Senate Standing Committees to Senate.

55.1 Committee on Research

The President invited Mr. Cyr Couturier, Chair, Committee on Research, to give a presentation on behalf of the Committee on Research.

Mr. Couturier thanked Senate for the opportunity to give an update on the Committee on Research through a slide presentation at today's meeting.

Mr. Couturier reviewed the membership of the Committee on Research and noted that some are ex-officio because of their positions.

The purpose of the Senate Committee on Research is to provide a forum for the discussion and debate of issues related to research at Memorial University. Such issues may pertain to the promotion and encouragement of research or to the formulation and review of policies related to research. In addition, the Senate Committee on Research is to consider proposals and transmit its recommendations to Senate on important research policies and issues of interest to Memorial University.

Responsibilities of the Committee on Research:

- (a) Encourage and promote research in co-operation with the Office of Research and academic units at Memorial University by identifying areas in which to improve success with Tri-Council (SSHRC, NSERC and CIHR) and other major funding agencies or organizations.
- (b) Present proposals and recommendations for consideration to the Senate on:
  - (i) Existing university research policies
  - (ii) The development and implementation of new University research policies
  - (iii) The implications of major proposals that might affect established academic priorities; and
  - (iv) The prioritization of research initiatives for the disposition of discretionary research funds accruing to the University.
- (c) Recommend to the President:
  - (i) Faculty members for the President's Award for Outstanding Research
  - (ii) Faculty members to serve on the Selection Committee for the University Research Professorships

Process:

- (a) The Committee will normally provide advice or recommendations to the Vice-President (Research) and to

Committee on Research (cont'd)

Senate, on items listed in 3.(b).

(b) The Committee will normally consult on issues listed in 3.(b) with:

- (i) Researcher, via their Dean or Director
- (ii) Students involved in research activities, via the Undergraduate and Graduate student unions.

Mr. Couturier reviewed the Committee's activities over the past four years:

1. Establish Review Committee President's Award for Outstanding Research, and make recommendations to the President
2. Establish Review Committee for University Research Professorships, and make recommendations to the President
3. Review barriers to research and advise the VP Research
4. Review and approve Strategic Research Intensity Plan prior to presentation at Senate
5. Review grant success for Tri-Agencies
6. Review and approve Technology Transfer and Commercialization Strategy prior to presentation to Senate

Mr. Couturier presented the following Questions for Senate:

1. Mandate satisfactory?
2. Quorum 50+1?
3. Chaired by Senators only?
4. Should key reports to Senate be brought to Senate by the Committee?

Discussion included:

- Most activities supportive of Vice-President (Research) and to that office; perhaps it would be more appropriately a Vice-President's Committee than a Senate Committee
- Role is to bring items related to Research to Senate; Vice-President (Research) could bring it to Senate
- Not doing work of Vice-President (Research) – providing advice
- Vice-President (Research) promised to provide periodic report on SRIP
- Committee on Research very valuable

56. Marine Institute Academic Council Constitution

A memorandum dated November 20, 2015, was received from Leslie Noftall, Marine Institute Registrar and Secretary, Marine Institute Academic Council, proposing amendments to its Constitution and



Marine Institute Academic Council Constitution (cont'd)

Bylaws which were approved by the Academic Council of the Fisheries and Marine Institute in October 2015.

It was moved by Dr. Shea, seconded by Mr. Couturier, and carried that the proposed amendments to the Constitution and Bylaws of the Fisheries and Marine Institute be approved for submission to the Board of Regents.

57. Faculty of Business Administration Constitution Updates

A memorandum dated December 8, 2015, was received from Dianne Ford, Secretary of Faculty Council, Faculty of Business Administration, proposing amendments to its Constitution and Bylaws which were accepted by the Faculty Council of the Faculty of Business Administration on November 13, 2015.

It was moved by Mr. Ryan, seconded by Dr. Naterer, and carried that the proposed amendments to the Constitution and Bylaws of the Faculty of Business Administration be approved for submission to the Board of Regents.

58. Senate Elections, 2016-2017

A memorandum dated January 25, 2016, was received for information from the Senate Committee on Elections and Committees reporting the entitlement of each constituency to seats on Senate for the 2016-2017 academic year in accordance with the Procedures for Selection of Senate Members.

59. Senate Committee on Elections and Committees – Membership and Terms of Reference

Ms. Singleton, Secretary, Senate Committee on Elections and Committees, advised that the Committee on Elections and Committees considered its Membership and Terms of Reference as part of the ad hoc Committee on Senate Reform's review of the effectiveness of current Senate Standing Committees and the potential usefulness of additional Standing Committees.

It was agreed to add a new clause 2.(h) to read:

“(h) Annually, invite all Senate committees to review their Terms of Reference and forward any changes.”

The Membership and Terms of Reference will read as follows:

Senate Committee on Elections and Committees – Membership and  
Terms of Reference (cont'd)

- “1. Membership
  - (a) Secretary of Senate (Chair)
  - (b) Three undergraduate students, one appointed by the Memorial University Students’ Union, one by the Grenfell Campus Student Union, and one by the Marine Institute Students’ Union
  - (c) One graduate student, appointed by the Graduate Students’ Union
  - (d) An appropriate number of academic staff members
2. Terms of Reference
  - (a) To make recommendations on the interpretation of the term “full-time members of the academic staff” in the approved procedures for the election of members of the academic staff to the Senate.
  - (b) To make recommendations for the selection of non-statutory ex-officio members of the Senate.
  - (c) To assume responsibility for the annual election of members of academic staff to the Senate.
  - (d) To recommend for Senate approval the structure and terms of reference of Senate standing committees, and any other committees as requested by Senate.
  - (e) Membership of Senate standing committees shall be recommended for the approval of Senate in accordance with the following procedures:
    - (i) In January of each year, the Committee shall call for volunteers and nominations to fill vacancies on Senate standing committees. Nominations require the signatures of the nominee and one nominator, both of whom must be eligible electors or retirees who were eligible electors at the time of retirement, in accordance with Senate regulations. Volunteers, who must also be eligible electors or retirees who were eligible electors at the time of retirement, need only submit their own signature to be eligible for nomination by the Committee.
    - (ii) The Committee shall forward its recommendations to Senate in time for its April meeting. The list of recommended committee members shall be accompanied by a statement of the number of candidates who volunteered or were nominated, including the number who are not being recommended by the Committee for appointment to a Senate committee.

Senate Committee on Elections and Committees – Membership and  
Terms of Reference (cont'd)

- (iii) In the case of this Committee, the names of all volunteers and nominations will be forwarded to Senate without recommendation on membership. Senate will select an appropriate slate.
- (iv) If any committee slate proposed by the Committee is rejected at the April meeting, the Senate shall decide whether to hold an election or ask the Committee to revise its recommendations for presentation at the May meeting. If an election is held, nominations shall be accepted from the floor of Senate, provided that the nominee has given consent (in writing if the nominee is not present at the meeting).
- (f) In nominating membership of Senate standing committees, the Committee shall observe the following guidelines:
  - (i) Terms of office for academic staff members on standing committees shall commence on 1 September following the candidate's appointment unless the bylaws for individual committees specify a different date. Terms shall be for three years and shall be staggered so that one-third of the membership of each committee is replaced each year.
  - (ii) With the exception of those committee members serving on a committee by virtue of their office, normally, no academic staff member shall serve more than six consecutive years on any one Senate standing committee.
  - (iii) With the exception of those committee members serving on a committee by virtue of their office, normally, no academic staff member shall serve on more than two Senate standing committees at one time.
  - (iii) The Committee shall strive to nominate members for standing committees with an appropriate balance among constituencies, if such balance is not more precisely specified in the bylaws governing the membership of the committee. Efforts shall also be made to include both male and female members, faculty from both junior and senior ranks, and members of target groups in accordance with the university's equity policies. Unless exceptional circumstances prevent it, at least one-third of each standing committee's membership shall be female and at least one-third shall be male.

Senate Committee on Elections and Committees – Membership and  
Terms of Reference (cont'd)

- (g) The Committee shall recommend membership of ad hoc committees and Senate representatives to other bodies as instructed from time to time by Senate.
- (h) Annually, invite all Senate committees to review their Terms of Reference and forward any changes.”

It was moved by Ms. Singleton, seconded by Dr. George, and carried that the membership and terms of reference be approved.

58. REMARKS FROM THE CHAIR - QUESTIONS/COMMENTS FROM  
SENATORS

The President gave a slide presentation and responded to questions from Senators on the Budget.

59. ADJOURNMENT

The meeting adjourned at 6:00 p.m.

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CHAIRMAN

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SECRETARY