

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on February 28, 2017 at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

57. PRESENT

The President, Dr. N. Golfman, Mr. G. Blackwood, Dr. K. Anderson, Dr. L. Bishop, Ms. S. Cleyle, Dr. M. Courage, Mr. B. Gardiner, Dr. A. Gaudine, Dr. D. Hardy Cox, Dr. T. Hennessey (via videoconferencing), Dr. G. Naterer, Dr. L. Phillips, Dr. M. Piercey-Normore (via videoconferencing), Ms. J. Porter, Dr. L. Robinson (via videoconferencing), Ms. B. Simmons (via videoconferencing), Dr. M. Steele, Dr. A. Surprenant, Dr. I. Sutherland, Dr. S. Abhyankar (via videoconferencing), Ms. L. Alcock, Mr. P. Brett, Mr. C. Callahan, Dr. S. Carr, Dr. J. Connor, Dr. I. Emke (via videoconferencing), Professor A. Fisher, Dr. D. Ford, Dr. D. Foster, Dr. T. Fridgen, Dr. G. George, Dr. M. Haghiri (via videoconferencing), Dr. D. Kelly, Dr. F. Kerton, Dr. D. McKay, Dr. S. Mulay, Dr. W. Okshevsky, Dr. A.C. Onodenaloro, Dr. J. Parsons, Dr. K. Parsons, Ms. H. Pretty, Dr. A. Rose, Dr. K. Simonsen, Dr. C. Thorpe, Dr. C. Vardy, Professor D. Walsh, Mr. M. Barter, Ms. B. Byrnes, Mr. P. Hillier, Mr. S. Kennedy, Mr. M. O'Keefe, Mr. C. Samson.

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

Dr. Shannon Sullivan

**Attending by Invitation for 4.C. Calendar Changes for the School
of Social Work**

Dr. Heather Hair, Associate Dean of Social Work (Undergraduate)

**Attending by Invitation for 4.G. International Bachelor of Arts
(iBA) Degree Program - Proposed Calendar Changes - Proposal for
New Program**

Dr. Alex Marland, Associate Dean of Arts (Undergraduate)

**Attending by Invitation for 5.A. Marine Institute - Proposed New
Graduate Programs**

Dr. Brett Favaro, Marine Institute
Mr. Carey Bonnell, Marine Institute

The President welcomed all members to the Senate meeting noting that the February 14th meeting was cancelled due to the closure of the University. The President welcomed those joining by

videoconferencing from Grenfell Campus. This is a temporary setup while we wait for the equipment to be installed and Senators will need to use microphones so those at Grenfell Campus can hear.

For agenda items 6 and 7, it was agreed to reverse the order for this agenda. The President noted that Mr. Kent Decker is not here today but that he will give an update on the Budget in his Remarks.

58. APOLOGIES FOR ABSENCE

Apologies were received from Dr. R. Gosine, Dr. C. Reynolds, Dr. H. Carnahan, Mr. C. Couturier, Dr. C. Purchase.

59. MINUTES

It was moved by Professor Walsh, seconded by Dr. Ford, and carried that the Minutes of the regular meeting held on January 10, 2017, be taken as read and confirmed.

CONSENT AGENDA

It was moved by Professor Walsh, seconded by Dr. Surprenant, and carried that the consent agenda, comprising the items listed in 60 to 61 below, be approved as follows:

60. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

60.1 Marine Institute

Page 169, 2016-2017 Calendar, under the heading 5.2 Admission Requirements for Applicants to the Bachelor of Maritime Studies Program, amend the calendar entry as follows:

“5.2 Admission Requirements for Applicants to the Bachelor of Maritime Studies Program

1. An applicant must submit a form for admission/readmission to the University. This application must include all required documentation including proof of the diploma or certificate required for admission in a specific category.
2. **Categories for admission to the Bachelor of Maritime Studies**
Applicants must meet the general admission/readmission requirements of the University and be eligible for admission to the Bachelor of Maritime Studies program in one of the following categories:
 - Category A: applicants holding a diploma from the Marine Institute in nautical science, marine engineering technology,

Marine Institute (cont'd)

- naval architecture technology or marine engineering systems design technology,
- Category B: applicants holding a Canadian Technology Accreditation Board accredited, or Transport Canada approved, diploma in marine engineering technology or nautical science,
 - Category C: applicants holding a Canadian or non-Canadian diploma similar to an accredited or Transport Canada approved Marine Institute diploma in nautical science, marine engineering technology, naval architecture technology or marine engineering systems design technology,
 - Category D: applicants holding a Transport Canada Certificate of Competency at the Master Mariner, Fishing Master First Class or Engineering First Class level or equivalent,
 - Category E: applicants who have Canadian Forces (Naval Operations) training acceptable to the Admissions Committee.
3. Applications to the program will be considered by the appropriate admissions committee(s).
4. In accordance with the **UNIVERSITY REGULATIONS - Residence Requirements - Second Degree**, students completing the Bachelor of Maritime Studies Program, as a second degree, must complete a ~~minimum of an additional 9 credit hours beyond a first degree and the work completed as required for admission to this degree~~ all required courses within the Bachelor of Maritime Studies Program."

Page 170, 2016-2017 Calendar, under the heading 6.1 Bachelor of Maritime Studies, amend the calendar entry as follows:

"6.1 Bachelor of Maritime Studies

- Students must complete 39 credit hours in addition to the work which was required under their category of admission.
- The required and elective courses are listed in **Table 2 Bachelor of Maritime Studies - Course Requirements For All Students**. These courses may have prerequisites which have to be met.
- When transfer credit has been granted for a course(s) taken to satisfy the requirements for admission students must take an additional elective University course(s).
- To meet the academic requirements for a Bachelor of Maritime Studies a candidate shall successfully complete the following program with a minimum overall average of 60% and a minimum numeric grade of 50% in each course required for the degree unless stated otherwise within the course description.
- Students must take 39 credit hours with 21 credit hours from the required courses and 18 credit hours from the electives.

Marine Institute (cont'd)

- ~~At least one elective must be chosen from each of the groups A and B~~ At least three electives must be chosen from Group A and at least one elective must be chosen from Group B.

Table 2 Bachelor of Maritime Studies - Course Requirements for All Students

Required Courses	Group A Electives	Group B Electives
<ul style="list-style-type: none"> • 3 credit hours in English at the 1000 level • MSTM 4001 • MSTM 4002 • MSTM 4004 • MSTM 4040 • MSTM 4060 • MSTM 410A/B • <u>MSTM 4103</u> • <u>MSTM 4105</u> • <u>MSTM 4106</u> • <u>MSTM 4025 or Statistics 1510 or 2500</u> 	<ul style="list-style-type: none"> • Business 1101 or 2102 • Business 4000 • MSTM 4005 • <u>MSTM 4006</u> • <u>MSTM 4007</u> • MSTM 4008 • MSTM 4011 • MSTM 4012 • MSTM 4013 • MSTM 4020 • MSTM 4050 • MSTM 4090 • <u>MSTM 4101</u> • <u>MSTM 4102</u> • <u>MSTM 4104</u> • Statistics 1510 or 2500 or equivalent 	<ul style="list-style-type: none"> • <u>Business 1101 or 2102</u> • <u>Business 4000</u> • Economics 2010 • Economics 2020 • Economics 3030 • Economics 3360 • Geography 3510 • Geography 4410 • MSTM 4014 • <u>MSTM 4004</u> • <u>MSTM 4019</u> • <u>MSTM 4020</u> • MSTM 4030 • <u>MSTM 4040</u> • <u>MSTM 4050</u> • Philosophy 2571 • Political Science 3210 • Political Science 4200 • Sociology 2120

Page 172, 2016-2017 Calendar, under the heading 10 Course Descriptions, amend the calendar entry as follows:

“4006 Maritime Human Resource Management provides basic principles of HRM in terms of seagoing and shore-based personnel. Students will analyze the world maritime labour market, HRM practices, outsourcing and international conventions. It stresses the importance of coherent maritime HRM systems required to gain a sustainable competitive advantage.

4007 Shipping Finance focuses on commercial ship management and the critical evaluation of alternative financial decisions. Analyzes the principles of financial ship management and the impact of global economic variables on the financial operations and performance of shipping companies. The course provides an appreciation of critical questions, problems, issues and alternative approaches incorporated in shipping finance. This will support and facilitate the conduct of meaningful financial analysis and managerial decision-making for investments and fund raising in shipping business.

Marine Institute (cont'd)

410A and 410B Technical Project Report (same as the former MSTM 4100 and 4200) is a two-semester linked course based on independent study of a problem involving the management of technology. The subject of study will be decided in consultation with the course instructor and must be approved by a committee. The student will identify a research topic in a specialty area, write a concept paper, develop a proposal and write a report. The passing grade for this course is 65%.

UL: Not available to students following the 2017/18 Calendar or later. Course will be discontinued after Spring 2018 semester.

CR: MSTM 4400, the former MSTM 4000, the former MSTM 4100, the former MSTM 4200, the former Technology 4000

OR: must be completed within three consecutive semesters

PR: MSTM 4060

4101 Maritime Occupational Safety and Health (Legislation and Regulations) will provide students with the knowledge and understanding to manage the legislative framework within the workplace and show the importance of establishing a positive safety culture with specific focus on the maritime industry.

4102 Maritime Risk Management/Accident Incident Investigation will provide students with the knowledge of methodologies and practices needed to manage operational risk in today's maritime industry. Risk management will be analyzed in the context of prevention and mitigation of loss resulting from health and safety, equipment, and environmental accidents and incidents. The course will further explore methodologies and practices used to investigate accident and incident occurrences in the maritime industry.

4103 Advanced Communications for the Maritime Sector will equip students to write a variety of formal and informal maritime-related technical documents; develop students' capabilities in gathering and critically analysing information from technical sources and constructing a clear message; and prepare students to develop and deliver oral technical presentations.

4104 Integrated Management Systems in Maritime Industries offers a firsthand knowledge of a systematic, comprehensive process for managing safety risks. A safety management system program provides for goal setting, planning, and measuring performance. It becomes part of the company's safety culture, as well as the way people do their jobs.

4105 Policy and Governance in the Maritime Industry provides the student with an understanding of the maritime industry as a global enterprise in the context of policy and governance. It will focus on the full range of the regulatory framework from the standpoint of the

Marine Institute (cont'd)

International Maritime Organization to the statutory regulations applicable to the Canadian maritime industry.

4106 Ship Operations Management provides comprehensive knowledge of global ship management practices supporting the function of ship operations management, both ashore and at sea. This course aims to develop the students understanding of management issues in marine transportation as they relate to basic principles of management; management in multi-ethnic environments; managing under adverse conditions; the SOLAS Convention and the ISM and ISPS Codes; the International Labour Organization and the MLC Convention; the International Transport Federation; and, Port State Control.”

Page 61, 2016-2017 Calendar, under the heading 6.3.3 Second Degree, amend the calendar entry as follows:

“6.3.3 Second Degree

A student who has already completed a bachelor's degree may undertake a second bachelor's degree, but not in the same major, subject to the condition outlined below:

1. Every student for a second bachelor's degree, with the exception of students completing the Bachelor of Technology or Bachelor of Maritime Studies degrees, shall complete at least 30 credit hours at this University beyond those required for the first degree. These credit hours must be applicable to the degree sought. Students who have completed a first degree at this University may be permitted to take at another university up to 6 of the 30 credit hours required in this clause.
2. Students completing the Bachelor of Technology or Bachelor of Maritime Studies as a second degree must complete all required courses in their stream of study at least an additional 9 credit hours beyond their first degree and the work completed as required for admission to the Bachelor of Technology/Bachelor of Maritime Studies degree. These credit hours must be applicable to the degree sought.”

60.2 Faculty of Engineering and Applied Science

Page 153, 2016-2017 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the calendar entry to read as follows:

“3821 Circuit Analysis begins with a review of ~~elementary circuits~~ basic circuit analysis including dependent sources, then considers wye-delta transformation, bridge circuits, transient analysis of first- and

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second -order circuits; sinusoidal steady state analysis, phasor diagrams, sinusoidal steady-state power, complex power and maximum power transfer; ~~frequency selective circuits (filters); and Laplace transforms in circuit analysis (transients, steady state, transfer function).~~

CO: ENGI 3424

CR: Physics 3550

LH: ~~at least five~~ eight 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: Mathematics 1001, Mathematics 2050, ENGI 1040

3861 Digital Logic includes number systems and Boolean algebra; minimization techniques for Boolean functions; basic combinational logic circuit analysis and design; flip-flops, state machine design and implementation; decoders, multiplexors, registers, counters; simple arithmetic and logic units (ALUs); ~~algorithms; introduction to hardware description languages (VHDL) for logic component and circuit modelling~~ digital system design of small systems.

CR: the former Computer Science 3723

LH: ~~at least six~~ 3-hour sessions per semester

OR: ~~up to eight~~ twelve 1-hour tutorial sessions per semester

PR: ENGI 1040”

Page 154, 2016-2017 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

“**4823 Introduction to Systems and Signals** begins with an introduction to systems and signals, and includes mechanical and electrical analogues; principles of linear superposition and time-invariance; definitions, properties, and use of the delta function; applications of complex variables and functions; impulse and step responses; input-output relations of continuous-time systems in terms of convolution and transfer functions; frequency response plots; the Fourier transform and applications; ~~applications of~~ Laplace transforms with application to filtering, communications, and controls.

OR: tutorial 1 hour per week

PR: ENGI 3424, ENGI 3821

4841 Electromechanical Devices includes an introduction to fundamental principles of energy conversion; review of single-phase AC circuits; three-phase AC circuits; ~~review of three-phase systems;~~ magnetic fields and circuits; transformer models, performance and applications; basic concepts of rotating machines; performance and control of DC motors.

CR: the former ENGI 5842

LH: ~~at least six~~ 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 3424, ENGI 3821

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

LH: ~~at least ten~~ eight 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 3821, Physics 3000

4862 Microprocessors ~~is a course on~~ includes microprocessor architecture; assembly language programming: addressing modes, table look up; memory mapped devices; interfacing techniques: parallel, serial; timing control; analog input and output, and computer displays.

LH: ~~at least~~ eight 3-hour sessions per semester

OR: nine 1-hour tutorial sessions per semester

PR: ENGI 3861"

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

"5800 Electrical Engineering Design students ~~will~~ work, normally in pairs, on small design projects that ~~will~~ require them to follow a ~~hierarchy of~~ hierarchical design process ~~which includes~~ including general product definition, specifications and requirements, functional-block diagrams, ~~definition of~~ specification of functional blocks for circuit-level synthesis and implementation, system integration, simulation or modelling, testing and verification. The small projects are designed to encourage and motivate students to learn and practise the process of design. The course ~~will~~ culminates in a large design project.

CO: ENGI 5821, ENGI 5854

LC: ~~at least 10~~ 18 lecture hours per semester

OR: meetings with project supervisor as required

PR: ENGI 4841, ENGI 4854, ENGI 4862

5812 Basic Electromagnetics includes a review of relevant vector calculus, including the divergence, gradient and curl operators in Cartesian, cylindrical and spherical coordinates, divergence theorem, Stokes' theorem, and Laplace's and Poisson's equations. Topics in electrostatics include Coulomb's law, potential and energy, conductors, dielectrics, capacitance and electric field boundary conditions. Topics

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for magnetism include the steady magnetic field, the Biot-Savart law; ~~and~~ Ampère's law; ~~magnetic force, potential and magnetic materials and boundary conditions.~~

OR: tutorial 1 hour per week

PR: ENGI 3821, ENGI 4430

5821 Control Systems I includes an introduction to control systems with a—negative feedback; mathematical modelling and transfer functions of electromechanical systems; block diagram ~~reduction~~ and signal flow graphs; controller realization—~~using op-amps~~; transient response analysis; Routh's stability criterion; basic control actions and response of control systems; root locus analysis and design; frequency response analysis; Bode diagram; gain and phase margins; compensator design in frequency domain; Nyquist stability criterion; ~~A/D and D/A conversion~~; digital implementations of analog compensators; and an introduction to PID controller tuning methods.

CO: ENGI 5854

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

PR: ENGI 4823

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

LH: ~~at least five~~ **eight** 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 4823, ENGI 4854

5865 Digital Systems includes concepts, language, tools, and issues pertaining to specification, modelling, analysis, simulation, testing and synthesis of digital systems, including PLD, FPGA, and ASIC devices. Industry standard CAD tools will be used in this course to facilitate system design and testing.

LH: ~~at least~~ ten 3-hour sessions per semester

PR: ENGI 3891, ENGI 4862

5895 Software Design examines the development process: requirement analysis, design, iterative development, design documentation; an introduction to the Unified Modelling Language: use cases, class diagrams and sequence diagrams; an introduction to software design patterns: creational patterns, structural patterns and behavioural patterns; object oriented, modular decomposition. The course includes a

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major design project.

LC: ~~at least~~ 25 lecture hours per semester

LH: ~~at least four~~ six 3-hour sessions per semester

OR: meetings with project supervisor as required

PR: ENGI 4892”

Page 156, 2016-2017 Calendar, under the heading 11.6 Academic Term 6 Courses, amend the calendar entry as follows:

“**6813 Electromagnetic Fields** is a continuation of the topics started in Engineering 5812, including a review of electrostatics and magnetostatics, Maxwell’s equations, Lorentz force, Poynting's theorem, plane waves, and applications including two-wire transmission lines.

~~LH: at least three 3-hour sessions per semester~~

OR: tutorial 1 hour per week

PR: ENGI 5812

6843 Rotating Machines examines the fundamentals of rotating machines; design of machine windings; polyphase and single phase induction motor theory and applications; synchronous machine theory; stability and control of synchronous generators; introduction to permanent magnet machines; ~~an~~ introduction to AC motor drives.

LH: ~~at least~~ six 3-hour sessions per semester

OR: eight 1-hour tutorial sessions per semester

PR: ENGI 4841

6856 Power Electronics is an overview of power semiconductor switches, an introduction to energy conversion and control techniques and examination of controlled rectifiers; phase-controlled converters; switch-mode dc/dc converters; variable frequency dc/ac inverters; ac/ac converters; ~~design of thyristor commutation circuits~~, gate and base drive circuits; design of driver and snubber circuits; thermal models and heat sink design.

CR: the former ENGI 7846

PR: ENGI 5854

LH: ~~at least~~ eight 3-hour sessions per semester

OR: eight 1-hour tutorial sessions per semester

6861 Computer Architecture begins with a review of microprocessors and computer organization. Topics include fundamentals of computer design: performance metrics and cost; instruction set architecture; memory hierarchy design: cache, main memory and virtual memory; pipelining: hazards, parallelism; special purpose processors; multiprocessors and thread-level parallelism.

OR: tutorial 1 hour per week

PR: ENGI ~~4862~~ 5865

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6871 Communication Principles begins with a review of signal representation and analysis and includes distortionless signal transmission, analog modulation (AM, FM and PM), super-heterodyne receiver, sampling theorem, pulse amplitude modulation (PAM), pulse code modulation (PCM), delta modulation, ~~baseband digital transmission, digital modulation techniques (ASK, FSK and PSK).~~

LH: ~~at least~~ four 3-hour sessions per term

PR: ENGI 4823, ENGI 5420”

Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“**7811 Antennas** examines the fundamentals of electromagnetic radiation; potentials; small antennas and antenna parameters; thin linear wire antennas and antenna arrays; antenna impedance and ground effects; Friis transmission formula; and aperture antennas.

LH: ~~at least~~ three 3-hour simulation and demonstration sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 6813

7844 Power System Analysis begins with an introduction to electric power systems. Topics include per unit quantities; transmission line parameters; modelling of power system components; single line diagrams; network equations formulation; bus impedance and admittance matrices; load flow analysis and control; design of reactive power compensation for power system performance enhancement; tap changing, auto and control transformers for power system application; economic dispatch and optimal power flow studies.

LH: ~~at least~~ six 3-hour sessions per semester

PR: ENGI 6843

7856 Renewable Energy Systems examines the assessment of wind energy potential, wind turbine aerodynamics, types, modelling and control strategies; hybrid energy systems; energy storage; solar energy systems; photovoltaic, PV system engineering, stand-alone and grid connected systems, sizing and maximum power tracking; solar water pumping; micro-hydro systems and control; tidal power, wave energy converters, ocean thermal systems. Applications of hybrid energy system sizing software are also included in the course.

LH: ~~at least~~ eight 3-hour sessions per semester

PR: ~~ENGI 4841 or the former ENGI 5842~~ ENGI 6843”

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

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“8680 Process Control and Instrumentation begins with an introduction to feedback control systems, and instrumentation. Topics include modelling thermal, gas, liquid and chemical processes; sensors and transmitters, controller design and simulation in Matlab /Simulink, industrial feedback controllers; design of feedback control loops, tuning of feedback controllers; cascade, ratio, digital controller design; feedforward control; multivariable process control; fuzzy logic control and tuning, instrumentation electronics design, and process system identification using Matlab /Simulink.

LH: ~~at least six~~ **twelve** 3-hour sessions per semester

PR: ENGI 5821

8845 Power System Operation examines symmetrical components; power system fault analysis; power system stability; and power system protection.

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

PR: ENGI 7844

8863 Introduction to LSI VLSI Design (~~same as Computer Science 4725~~) is an introduction to ASICs and ASIC design methodology and includes basic concepts of digital logic design tools and ASIC technology libraries; partitioning for logic synthesis and VHDL coding; constraining designs, synthesizing, simulation and optimization; design for testability; layout and post-layout optimization and SDF generation; and static timing analysis.

CR: the former Computer Science 4725

LH: ~~at least~~ eight 3-hour sessions per semester

OR: eight 1-hour tutorial sessions per semester

PR: ENGI 5865”

Page 145, 2016-2017 Calendar, under the heading 6.4.1 Mechanical Engineering Major, amend Table 4 as follows:

Table 4 Mechanical Engineering Major

Term	Required Courses	Elective Courses
Engineering One	Chemistry 1050 English 1080 ENGI 1010 ENGI 1020 ENGI 1030 ENGI 1040 Mathematics 1000 Mathematics 1001 Mathematics 2050	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 Description of Program, Complementary Studies .		
Fall Academic Term 3	ENGI 3101 ENGI 3424 ENGI 3901 ENGI 3911 ENGI 3934 ENGI 3941	ENGI 200W (if not completed during Engineering One).

Winter	001W or 002W	
Spring Academic Term 4	ENGI 4312 ENGI 4430 ENGI 4901 ENGI 4932 <u>ENGI 4934</u> ENGI 4961	
Fall	001W or 002W or 003W	
Winter Academic Term 5	ENGI 4421 ENGI 5911 ENGI 5931 ENGI 5952 ENGI 6961 <u>5962</u>	
Spring	002W or 003W or 004W	
Fall Academic Term 6	ENGI 6901 ENGI 6929 ENGI 6933 ENGI 6951	3 credit hours from <u>required</u> Technical Stream Courses, Academic Term 6
Winter	003W or 004W or 005W (optional)	
Spring Academic Term 7	ENGI 7926 ENGI 7930 ENGI 7953	6 credit hours from <u>required</u> Technical Stream Courses, Academic Term 7 <u>3 credit hours from elective Technical Stream Courses</u> <u>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 Mechanical Engineering.</u>
Fall	004W or 005W (optional) or 006W (optional)	
Winter Academic Term 8	ENGI 8152 ENGI 8926	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 Mechanical Engineering. 9 credit hours from Technical Stream Courses, Academic Term 8 <u>3 credit hours from required Technical Stream Courses, Academic Term 8</u> <u>6 credit hours from elective Technical Stream Courses</u>

Page 146, 2016-2017 Calendar, under the heading 6.4.1.1 Technical Streams, amend the calendar entry as follows:

“6.4.1.1 Technical Streams

- Technical Streams are available in the areas of Mechanics and Materials, Mechatronics, Petroleum, and Thermo-Fluids.
- ~~• A student may experience scheduling difficulties if courses are selected from more than one technical stream.~~
- The selection of a course as a technical stream course from outside these lists requires the approval of the Head of the Department of Mechanical Engineering.

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Technical Stream Required Courses

Term	Mechanics and Materials	Mechatronics	Petroleum	Thermo-Fluids
Academic Term 6	ENGI 6928	ENGI 6928	ENGI 6602	ENGI 6928
Academic Term 7 A student must choose two courses from Academic Term 7.	ENGI 7911 ENGI 7929	ENGI 7854 ENGI 7929 ENGI 7952 <u>ENGI 7953</u>	ENGI 8691 ENGI 8692	ENGI 7901 ENGI 7903
Academic Term 8 A student must choose three courses from Academic Term 8.	ENGI 8150 ENGI 8911 ENGI 8933 ENGI 8935 ENGI 8937 ENGI 8964	ENGI 8150 ENGI 8937 ENGI 8946	ENGI 8150 ENGI 8676 ENGI 8690 ENGI 8694 ENGI 8911 ENGI 8935 ENGI 8964	ENGI 8150 ENGI 8903 ENGI 8947 ENGI 8965

Technical Stream Elective Courses

A student must choose one course in Academic Term 7 and two courses in Academic Term 8 from Technical Stream electives or other courses as approved by the Head of the Department of Mechanical Engineering

	<u>Mechanics and Materials</u>	<u>Mechatronics</u>	<u>Petroleum</u>	<u>Thermo-Fluids</u>
	<u>ENGI 7934</u> <u>ENGI 8911</u> <u>ENGI 8935</u> <u>ENGI 8937</u>	<u>ENGI 7952</u> <u>ENGI 7854</u> <u>ENGI 7825</u> <u>ENGI 8814</u> <u>ENGI 8826</u> <u>ENGI 8937</u>	<u>ENGI 7903</u> <u>ENGI 8671</u> <u>ENGI 8673</u> <u>ENGI 8676</u> <u>ENGI 8694</u>	<u>ENGI 8947</u> <u>ENGI 8964</u> <u>ENGI 8965</u>

Page 153, 2016-2017 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the calendar entry as follows:

“**3901 Thermodynamics I** is a macroscopic approach to heat, work, and energy; properties of pure substances; conservation of mass, energy for open and closed systems; thermal efficiency and coefficient of performance; second law of thermodynamics; and its corollaries; entropy; second law analysis of thermodynamic systems; second law efficiency; and an introduction to simple thermodynamic

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cycles.

PR: Mathematics 1001

LH: at least three 1-hour sessions per semester

OR: tutorial 1 hour per week

3934 Dynamics includes kinematics and kinetics of particles using rectangular, normal/tangential and polar coordinates; relative motion using rotating axes; two-dimensional kinematics and kinetics of rigid bodies; force-acceleration, work-energy and impulse-momentum methods.

CR: the former ENGI 2313

OR: tutorial 1 hour per week

PR: ENGI 1010, Mathematics 1001, ~~Mathematics 2050~~

Page 154, 2016-2017 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

~~“**4312** **4934 Mechanics of Solids I** examines force analysis of structures and structural components, free body diagrams of structure, components and section of a components, definition of a stress at point, stress notation, complementary property of shear stress, definition of strain, normal strain, shear strain, thermal strain, mechanical properties of materials, analysis of prismatic members due to axial, bending and torsion loading, analysis of beams, shear force and bending moment diagrams, combined loads; and the transformation of stresses and strains.~~ examines stress and strain analysis applied to bars and beams in axial, torsion and bending; beam deflection, plane stress and strain, stress and strain transformations in two dimensions and Mohr's circle.

CR: ENGI 4312

LH: at least four 1-hour sessions per semester

OR: ~~up to ten 1-hour tutorials per semester~~ tutorial 1 hour per week

PR: ENGI 1010

4901 Thermodynamics II examines thermodynamic cycles: power and refrigeration applications; human comfort and air conditioning; mixture of gases and vapours, humidity, psychrometrics; chemically reacting mixtures and combustion; exergy analysis.

LH: at least ~~two 2-hour~~ three 1.5-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 3901

4932 Mechanisms and Machines includes an overview of mechanisms within machines; ~~graphical and~~ analytical and computer-aided methods for position, velocity, and acceleration analysis of

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moving mechanisms; power transmission; kinematics and kinetics of planar mechanisms; static and dynamic loads on mechanisms and an introduction to mechanism synthesis. ~~There is~~ Students will complete an analysis project.

CR: the former ENGI 3933

OR: tutorial 1 hour per week

PR: ENGI 3934

4961 Fluid Mechanics I (same as the former ENGI 5961) examines fluid statics; fluid flow phenomena; control volume analysis; conservation of mass, momentum, and energy; Bernoulli equation; head losses, applications of conservation laws; flow measurement devices; pipe networks; momentum devices, dimensional analysis, boundary layer phenomena, lift and drag.

CR: ENGI 4661, the former ENGI 4913, the former ENGI 5961

LH: ~~at least~~ five 1-hour sessions per semester

OR: tutorial 1 hour per week

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

~~“5931 Advanced Mechanics of Deformable Solids~~ **Mechanics of Solids II** examines stresses due to combined loads, asymmetric bending, ~~thin-walled pressure vessels~~, transformation of stresses and strains, principal stresses and strains (in two and three dimensional stresses), ~~Mohr's circle~~, theory failures, static failure theories, stress concentrations, energy methods, method of superposition, buckling of columns, thin- and thick-walled ~~cylindrical~~ pressure vessels, ~~rotating disks~~, ~~multi-layered thick-walled pressure vessels~~, shrink fits and contact stresses.

CR: ENGI 5312

LH: at least four 21-hour sessions per semester

OR: tutorial 1 hour per week

PR: ~~ENGI 4312~~4934

5952 Mechatronics I (~~same as the former ENGI 4951~~) examines the dynamic behavior of mechanical, electrical, fluid, and thermal systems based on a lumped-parameter approach. Topics covered include modelling and analysis of dynamic systems; computer-aided modelling of mechanical systems with non-linear elements; transient and frequency response; Laplace transforms, transfer functions, and generalized impedances; applications of operational amplifiers, signal conditioning, and filtering; instrumentation for strain and temperature measurement. involves modelling of electro-mechanical systems and introduction to basic analog and digital electronic devices. Topics covered include lumped-parameter modelling of electro-mechanical

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systems, basic electronic components and semiconductors, introduction to op amps, digital logic and number systems, microcontroller technology and interfacing (switches, LEDs, steppers, solenoids, A/D and D/A conversion).

CR: the former ENGI 4951

LH: five 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 1040, ENGI 3424”

Page 156, 2016-2017 Calendar, under the heading 11.6 Academic Term 6 Courses, amend the calendar entry as follows:

~~“6961~~ **5962 Fluid Mechanics II** examines differential analysis of fluid motion; conservation of mass: continuity equation; conservation of momentum: Navier-Stokes equations; conservation of energy; ~~inviscid incompressible flows; low Reynolds number flows;~~ basic film lubrication theory, boundary layer flows; compressible flows.

CR: ENGI 6661, the former ENGI 5913, the former ENGI 6961

LH: at least three 1-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 4961 or the former ENGI 5961

6901 Heat Transfer I examines modes of heat transfer; conduction: steady 1-D conduction, thermal resistance, extended surfaces (fins), lumped capacitance analysis, 1-D transient conduction; convection: Newton’s law of cooling, convection heat transfer coefficient, external boundary layer flows, internal flows, ~~natural convection~~; radiation: principles, properties, exchange factors, black body radiation, and enclosures, radiation shields.

CR: ENGI 5602

LH: at least one 3-hour session per semester

OR: tutorial 1 hour per week

PR: ENGI 4901

6928 Computer Aided Engineering Applications (same as the former ENGI 7928) introduces a variety of Computer Aided Engineering (CAE) applications based on advanced 3D CAD modelling. The fundamentals of 3D modelling are covered ~~including parametric and feature-based design~~. CAE applications include assembly modelling, mechanism animation and finite element analysis. Further applications include Computer Aided Manufacturing (CAM); model based inspection (i.e. Coordinate Measurement Machines); reverse engineering; document/drawing production; data exchange; and data management. The course has a significant lab component, which provides exposure to solid modelling and CAE applications based on an industrial

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CAD/CAM/CAE package.

CO: ENGI 6929 or the former 5926 or 5927

CR: the former ENGI 7928 or 7962

~~LH: at least ten 3-hour sessions per semester~~

OR: at least ten 3-hour computer laboratory sessions per semester

PR: ENGI 1030

6929 Mechanical Component Design I (same as the former ENGI 5927) examines adequacy assessment and synthesis of machine elements with a focus on failure prevention, safety factors, and strength; static failure ~~of ductile and brittle materials~~ and fatigue analysis of components. Topics include the design of power screws, bolted connections, welds, ~~springs~~, and shafts.

CR: the former ENGI 5926 or 5927

~~LH: at least eight 3-hour sessions per semester~~

OR: at least eight 3-hour computer laboratory sessions per semester

PR: ENGI 4312

6933 Mechanical Vibrations examines single degree of freedom systems: free vibration, energy methods, response to harmonic excitation, response to arbitrary inputs, rotating unbalance, vibration isolation; two degree of freedom systems: natural frequencies and mode shapes, ~~dynamic vibration absorber~~ absorption.

CR: the former ENGI 5932

LH: at least four 2-hour sessions per semester

PR: ENGI 3934

~~**6951 Automatic Control Engineering** examines the performance of feedback control systems. The topics covered in the course are: feedback control concept; control system performance; control system stability; nonlinear phenomena. There is a project which makes use of a peripheral interface controller or PIC. There are 3 laboratory exercises. Extensive use is made of MATLAB.~~

Control Systems I examines modeling, analysis and design of feedback control systems using classical controller design methods. Topics covered include linear system modelling using Laplace transforms, control system stability, time domain analysis - root locus design, frequency domain analysis - bode diagram and Nyquist design, PID Control.

CR: the former ENGI 6925

LH: at least three 1-hour sessions per semester

OR: 1-hour tutorial per week

PR: ENGI 5952 or the former ENGI 5951”

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Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“7901 Heat Transfer II examines advanced topics in heat transfer; multidimensional heat conduction: shape factors, numerical methods, moving heat sources; ~~heat transfer equipment: heat exchangers, heat exchanger design principles;~~ phase change heat transfer: melting, solidification, condensation, and boiling; natural convection: external flows, internal flows; multimode heat transfer; and environmental radiation.

LH: at least ~~one~~ three 3-hour sessions per semester

PR: ENGI 6901

7903 Mechanical Equipment examines performance characteristics of mechanical equipment; fluid power devices: pipes; valves; turbomachinery: pumps; fans; blowers; compressors; ~~storage tanks;~~ heat transfer devices: heat exchangers; boilers; and cooling towers; ~~and pressure vessels.~~

LH: at least ~~three~~ five 1.5-hour sessions per semester

PR: ENGI 6901 or ENGI 5602

7911 Industrial Materials ~~examines physical and mechanical properties; industrial materials; metals and metal alloys, ceramics and polymer, composite materials, failure modes and mechanisms, non-destructive testing and evaluation; damage tolerant materials; material treatments; and materials selection.~~ includes metals and alloy systems, strengthening mechanisms of metals, iron-carbon alloys, corrosion resistant alloys, light metals and their alloys, copper and nickel base alloys, super alloys, the function of alloying elements in metals, heat treatments, surface hardening, and surface modification.

CR: the former ENGI 6972

LH: at least 20 hours per semester

PR: ENGI 5911

7926 Mechanical Design Project I is the first of two capstone design courses in the Department of Mechanical Engineering. In this course mechanical students are organized into small groups or teams, which must complete a common design challenge. The project is presented as an open-ended problem statement with specific performance objectives. The system must be designed, prototyped and tested during the course of the term. Each team is a small consulting firm and is required to document its object planning as well as its design.

CR: the former ENGI 7936

LC: ~~scheduled as required~~ minimum of 2 lecture hours per week

LH: ~~scheduled as required~~ 3

PR: ENGI 4102, ~~completion of Academic Term 6 of the Mechanical Engineering program~~

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7929 Mechanical Component Design II (same as the former ENGI 6927) is a continuation of the ENGI 6929 course in analysis and synthesis of machinery, including advanced analysis of machine elements such as clutches, springs, brakes, couplings, journal bearings and gears. Advanced machine design concepts are examined, such as reliability, optimization and techniques for stimulating innovative design. A synthesis project involving the machine elements studied is usually included.

CR: the former ENGI 6926 or 6927

~~LH: at least ten 3-hour sessions per semester~~

OR: at least one 3-hour computer laboratory tutorial per week

PR: ENGI 6929 or the former 5927

7930 Instrumentation and Experimental Design involves ~~instrumentation and measurement techniques, sensors for motion and process control, data acquisition and signal conditioning; the design, conduct, and analysis of engineering, scientific, and numerical experiments; design of experiments: factorial design and analysis; and response surface methodology (RSM).~~ analysis and design of mechanical measurement systems and multi factor experiments. Topics covered include static and dynamic characteristics of sensors, Fourier transforms, sampling theorem and signal conditioning, uncertainty analysis of sensors, sensors for motion control, load sensing and process control, one factor vs multi factor experiments, factorial design and analysis, partial factorial design and blocking, response surface methodology (RSM).

LH: five 3-hour sessions per semester

OR: 1-hour tutorial per week

PR: ENGI 4421

7934 Finite Element Analysis ~~examines the basis of the finite element method. The course examines continuum mechanics applications; beam problems, fluid mechanics problems, and heat transfer problems. There are relevant computer laboratory exercises~~ includes a review of basic concepts required for FEA, basics of stiffness formulation, direct stiffness method, displacement method, one dimensional elements, trusses and frames. Topics include 1D fluid and heat transfer elements, automated analysis and modelling concepts, higher order elements, two dimensional elements - plane stress and plane strain, introduction to 3D elements, introduction to advanced topics and isoparametric formulation.

~~LH: at least ten 2-hour sessions per semester~~ 2

OR: tutorial 1 hour per week

PR: ENGI 4430, ENGI 5931

7952 Robotics and Automation provides the fundamentals in robotic manipulators and arms. The course provides basic understanding in

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coordinate transformations for spatial description, both kinematical and kinetic analysis, forces and dynamics and finally trajectory generations and path planning.

CR: the former ENGI 7944

LH: at least three 3-hour sessions per semester

PR: ENGI 1040, ENGI 4430, ENGI 4932

7953 Mechatronics II (~~same as the former ENGI 5951~~) emphasizes the integration of the core technologies on which contemporary, mechatronic designs are based. Topics covered include ~~semiconductors devices, analog and digital electronics; microcontroller technology and interfacing; sensors for motion control; selection, sizing, and modelling of electric servomotors, servovalves and hydraulic actuators; position, velocity, and force control; digital and analog implementation of controller architectures; mechatronic design case studies.~~ combinational logic circuit design, sequential logic circuit design, modelling and control of servo motors, selection, sizing, and modelling of servo valves and hydraulic actuators, microcontroller technology and interfacing (relays, timers, PWM control, interrupts, digital communication).

CR: the former ENGI 5951

LH: five 3-hour sessions per semester

OR: tutorial 1 hour per week

PR: ENGI 5952”

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

~~“8903 Mechanical Systems~~ **Design of Thermal Systems** ~~examines mechanical systems design; system simulation, control, and optimization; design optimization and system performance evaluation; design case studies and equipment for overall system design.~~ examines thermal system design; modeling of thermal systems; steady and transient system simulation; single and multi-variable optimization; overall system performance; thermodynamic optimization; selected design case studies.

PR: ENGI ~~6901~~ 7901, 7903

8935 Pressure Component Design ~~examines traditional design methods; load types; sustained, cyclic, impact; failure modes and mechanisms; incremental collapse; plastic shakedown; upper bound and lower bound approximations; load cycle fatigue; and rational design procedures. Case studies are conducted for cylinders; plates; shells.~~ includes pressure vessel design philosophy; membrane theory of shells; stress categories; discontinuous stresses; design of pressure vessel components according to ASME Boiler and pressure vessel and piping codes. There is a design project involving pressure vessel

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components.

OR: at least 1 tutorial hour per week

PR: ENGI 5931 and 6929

8937 Machine Dynamics reviews mechanism kinematics and inverse dynamics (prediction of unknown forces and torques required to create a known motion) and continues with forward dynamic analysis of mechanisms (predicting unknown motion due to applied forces and torques) using student-generated computer code and commercial software. Practical applications of dynamics are explored, such as engine shaking forces, balancing of machinery, shaft vibration, design of flywheels, and gyroscopic effects.

CR: the former ENGI 7945

~~LH: two 2-hour sessions per semester~~

PR: ENGI 4932, 6933

8946 Modelling and Simulation of Dynamic Systems ~~has an emphasis on~~ emphasizes interdisciplinary system models, equation formulation and structure, and model complexity. The bond graph modelling language will be introduced to simulate systems containing mechanical, electrical, thermal, hydraulic, and magnetic components.

CR: ENGI 9496

PR: ENGI 5952

8965 Advanced Fluid Dynamics includes fluid kinematics; equations of fluid dynamics: Navier-Stokes equations, Euler's equations, Stokes' equations, vorticity transport; advanced topics in: low Reynolds flows; unsteady viscous flows; boundary layer flows; analysis, potential flows; introduction to turbulent flow; free shear flows.

CR: ENGI 9901

PR: ENGI 5962 or the former 6961"

Page 154, 2016-2017 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

"**4661 Process Fluid Dynamics I** provides process engineering students with fundamentals of fluid mechanics/dynamics. Topics covered include fluid properties; Newtonian and non-Newtonian fluids; pressure; hydrostatics; control volume and system representation; mass and momentum conservation laws; Euler and Bernoulli equations; viscous fluid flows; laminar and turbulent flow; flow through conduits and pipes; pipe networks; flow measurement devices; momentum devices; concept of boundary layers; dimensional analysis; lift and drag on objects; fluid transportation (pumps and compressors).

CR: ENGI 4961, the former ENGI 4913, the former ENGI 5961

LH: five 1-hour sessions per semester

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4961 Fluid Mechanics I (same as the former ENGI 5961) examines fluid statics; fluid flow phenomena; control volume analysis; conservation of mass, momentum, and energy; Bernoulli equation; head losses, applications of conservation laws; flow measurement devices; pipe networks; momentum devices, dimensional analysis, boundary layer phenomena, lift and drag.

CR: ENGI 4661, the former ENGI 4913, the former ENGI 5961

LH: at least five 1-hour sessions per semester”

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

“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.

CR: ENGI 6901

LH: ~~at least~~ one 3-hour session per semester

PR: ENGI 4602, ENGI 4661 or ENGI 4961 or the former ENGI 5961”

Page 156, 2016-2017 Calendar, under the heading 11.6 Academic Term 6 Courses, amend the calendar entry as follows:

“6631 Chemical Reaction Engineering will cover the fundamentals of chemical kinetics and reaction rate expressions as well as the types of reactors, homogeneous and heterogeneous (catalytic) reactors, and the interrelation between transport phenomena and reaction engineering as it applies to process design. It also includes non-ideal flow, non-ideal reactors, catalytic reaction system, and multiphase reactors.

LH: ~~at least~~ four 2-hour sessions per semester

PR: ENGI 4621, ENGI 4661 or ENGI 4961 or the former ENGI 5961

6661 Process Fluid Dynamics II builds upon the materials introduced in Process Fluid Dynamics I. The course covers important aspects of fluid dynamics principles and applications in process engineering, including; continuity equation; differential governing equations of fluid momentum; conservation laws in chemical/process engineering; ideal and non-ideal flow; compressible and incompressible flow; boundary layer theory for laminar and turbulent flow; multiphase flow; introduction to CFD; turbomachinery; fluid flow features of unit operations.

CR: ENGI 5962, the former ENGI 5913, the former ENGI 6961

LH: three 1-hour sessions per semester

PR: ENGI 4661, ENGI 4961 or the former ENGI 5961”

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Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

“**5962 Fluid Mechanics II** examines differential analysis of fluid motion; conservation of mass: continuity equation; conservation of momentum: Navier-Stokes equations; conservation of energy; inviscid incompressible flows; low Reynolds number flows; boundary layer flows; compressible flows.

CR: ENGI 6661, the former ENGI 5913, the former ENGI 6961

LH: at least three 1-hour sessions per semester

PR: ENGI 4961 or the former ENGI 5961”

Page 147, 2016-2017 Calendar, under the heading 6.5.1 Ocean and Naval Architectural Engineering Major, amend Table 5 as follows:

Table 5 Ocean and Naval Architectural Engineering Major

Term	Required Courses	Elective Courses
Engineering One	Chemistry 1050 English 1080 ENGI 1010 ENGI 1020 ENGI 1030 ENGI 1040 Mathematics 1000 Mathematics 1001 Mathematics 2050 Physics 1050 Physics 1051	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 Description of Program, Complementary Studies .		
Fall Academic Term 3	ENGI 3001 ENGI 3054 ENGI 3101 ENGI 3901 ENGI 3934 Mathematics 2000	ENGI 200W (if not completed during Engineering One).
Winter	001W or 002W	
Spring Academic Term 4	ENGI 4007 ENGI 4011 ENGI 4020 ENGI 4312 ENGI 4901 Mathematics 2260	
Fall	001W or 002W or 003W	
Winter Academic Term 5	ENGI 5003 ENGI 5020 ENGI 5022 ENGI 5034 Mathematics 3202 Physics 3300	
Spring	002W or 003W or 004W	
Fall Academic Term 6	ENGI 6003 ENGI 6002 ENGI 6005 ENGI 6036 ENGI 6046 ENGI 6055 ENGI 6933	

Winter	003W or 004W or 005W (optional)	
Spring Academic Term 7	ENGI 7000 ENGI 7007- ENGI 7002 ENGI 7033 ENGI 7035- 7036	3 credit hours from ENGI 7003, 7046 , 7706 , 7707 , 7934 , 8691 , 8692 other courses as specified by the Head of the Department of Ocean and Naval Architectural Engineering
Fall	004W or 005W (optional) or 006W (optional)	
Winter Academic Term 8	ENGI 8000 ENGI 8152	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 Ocean and Naval Architectural Engineering Three of ENGI 8034 , 8046 , 8054, 8058, 8055 , 8074, 8075 , 8150, 8671 or other courses as specified by the Head of the Department of Ocean and Naval Architectural Engineering

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

~~“8058 Submersible Design examines the formulation of mission statement, design constraints and the historical development of submersibles design. Major subsystems of underwater vehicles, including propulsion, power, communication, navigation and control, are introduced. Principles of floatation, stability and control as they pertain to submersibles and underwater navigation are covered. Maneuvering and control equations are examined. Students perform resistance and propulsion calculations. Submersible construction materials and their selection criteria are examined.~~

~~LH: at least 12 hours per semester~~

~~PR: ENGI 3054”~~

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

“5034 Marine Vibrations provides an introduction to mechanical vibration with a focus on vibration of marine machinery and on the dynamic response of marine structures. Topics include: single degree of freedom systems – free vibration, energy methods, response to harmonic excitation, response to arbitrary inputs; multi degree of freedom systems – natural frequencies and mode shapes, response to harmonic excitation; frequency response functions; on-board sources of vibration, vibration measurement techniques and instrumentation.

CR: the former ENGI 5932, 6933

LH: at least four two-hour sessions per semester

PR: ENGI 3934”

Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“7046 Marine Economics and Ship Construction examines the macro-economics of the marine transportation industry and identifies and examines the stages of project definition. The basic techniques of project management needed for large scale industrial marine projects, such as ship construction and transportation of natural resources, are

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introduced. This course examines methods for estimating labour hours, materials, fabrication facilities required and schedule for ship construction. The legal and social aspects of large projects are also examined.

PR: ENGI 4102

Abbreviated Course Title: Marine Econ & Ship Construction”

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

“**8034 Applied Acoustics** provides an introduction to acoustic engineering. Topics include: sound in fluids and solids, wave phenomena, mathematical models of sound waves, sources of sound, frequency analysis, levels and decibels, introduction to psychoacoustics, sound waves in rooms, reverberation time, sound absorbers, sound insulation, room acoustical design, introduction to underwater acoustics, acoustic measurement techniques and instrumentation.

LH: at least four three-hour sessions per semester

PR: ENGI 5034

8046 Marine Engineering II builds on the fundamental marine engineering aspects covered in ENGI 6046 to include engineering factors onboard the ship, such as electrical generation, lighting, heating and air conditioning, as well as special systems needed on board the ship for operation, cargo management and navigation.

PR: ENGI 6046

8055 Design and Control of Unmanned Marine Vehicles examines the formulation of mission statement and design constraints of unmanned marine vehicles, surface and underwater. Major subsystems, including propulsion, power, communication, navigation and control, are introduced. Principles of navigation and control as they pertain to unmanned systems are examined. This course includes hands on experimentation including the design of a small unmanned platform for tank experiments.

LH: at least 12 hours per semester

PR: ENGI 3054

Abbreviated Course Title: Unmanned Marine Vehicles

8075 Finite Element Analysis of Marine Structures examines application of the finite element method (FEM) to the design and assessment of marine hull structures. Simulation of static, quasi-static, and impact loads on hull structures is discussed. Linear and nonlinear analyses are explored. Practical considerations for finite element model design are discussed.

LH: 12 weekly 3-hour lab sessions

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PR: ENGI 7002, ENGI 4007

Abbreviated Course Title: Finite Element Marine Struct”

Page 162, 2016-2017 Calendar, under the heading 11.9 Special Topics Courses, amend the calendar entry to read as follows:

“~~8075~~8076-8099 Special Topics in Ocean and Naval Architectural Engineering will have topics to be studied announced by the Faculty.”

Page 156, 2016-2017 Calendar, under the heading 11.6 Academic Term 6 Courses, amend the calendar entry as follows:

“6036 Dynamics of Ocean Vehicles examines applications of the linearized equations of motion to ocean vehicle problems with single and multiple degrees of freedom in waves; dynamics of marine vehicles: motions in waves; hydrodynamics effects such as added mass, radiation and viscous damping; strip theory; irregular seaway and motions.

CR: the former ENGI 6030, the former ENGI 7035

LH: at least two 3-hour sessions per semester

OR: 1 tutorial hour per week

PR: ENGI 3054, ENGI 4020”

Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“7036 Manoeuvring of Ocean Vehicles examines manoeuvrability of ocean vehicles; derivation of linear and nonlinear equations of motion and hydrodynamic coefficients; stability of motion; standard maneuvers such as turning circle, turning spiral, and PMM test; modelling and simulations of engine, propulsion, rudder and transmission systems during manoeuvring; systems for course keeping, autopilot, motion control and dynamic positioning.

CR: the former ENGI 6030, the former ENGI 7035

LH: at least two 3-hour sessions per semester

OR: 1 tutorial hour per week

PR: ENGI 6036”

Page 153, 2016-2017 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the calendar entry as follows:

“3001 Ocean/Naval Design introduces design and operation for ships and marine structures. Technology evolution in ship and offshore structures is reviewed, emphasizing service needs. Structural concepts, materials and construction methods are examined, including design for manufacturing. The design spiral and trade-offs between design characteristics are explored and modelling methods as tools in the

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design process are introduced. There is a minimum of six laboratory sessions including ship tours, a design project or research paper.

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

Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“~~7007~~ **4007 Marine Materials** examines the properties and uses of steel, and aluminum and composite materials in marine applications. Topics include: ~~overview of shipbuilding process;~~ review of mechanics of materials, Hooke’s Law, material failure models; carbon steel - fundamentals, processes, preparation, design, drawings, certification; joining of aluminum; riveting and welding; corrosion phenomena; composites - classification, production, and mechanical properties; ~~grades, classification, testing; welding of steel — fundamentals, processes, preparation, design, drawings, certification; joining of aluminum — riveting, welding.~~

CR: the former ENGI 7007

LH: at least 4 three-hour sessions per semester

PR: CHEM 1050, ~~ENGI 4312~~”

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

“**5022 Probability and Random Stochastic Processes in Ocean Engineering** includes basic concepts in probability, random variables, multiple random variables, descriptive statistics. The random processes component reviews mathematics of functions; introduces system input-output relations of continuous-time systems; contrasts time vs frequency domain representations; introduces frequency response plots and the Fourier transform; A probabilistic approach to ship damage, representation of ocean waves (in time and frequency domains), Response Amplitude Operators (RAO), and acceptable levels of risk for design are introduced and applied. ~~includes selected applications for ocean engineering.~~

OR: tutorial one hour per week

PR: ENGI 4020, Mathematics 2260 or the former Mathematics 3260

Abbreviated Course Title: Random Processes in Ocean Engr

~~5003~~**6002 Ship Structures I** examines longitudinal strength, still water and wave bending moment, shear and bending moment curves, Smith Correction, section modulus calculation, torsion and racking forces; bulkhead and girder scantlings, portal frame analysis by moment distribution and energy method; finite element analysis and the use of Classification Society rules for design of midship section. Laboratory sessions cover use of analysis software to illustrate structural behaviour concepts.

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CR: the former ENGI ~~6002~~5003
LH: at least five 3-hour sessions per semester
PR: ENGI 4312”

Page 156, 2016-2017 Calendar, under the heading 11.6 Academic Term 6 Courses, amend the calendar entry as follows:

“~~6003~~7002 **Ship Structures II** is an introduction to ship structural safety and rational design. Topics include local strength analysis, elastic, plastic and ultimate strength of plating, frames and grillages, buckling of columns and plates and fatigue and fracture in ships. Laboratory exercises include structural analysis software and physical experiments.

CR: the former ENGI ~~7002~~6003
LH: at least five 3-hour sessions per semester
PR: ENGI ~~5003~~6002”

60.3 Department of Chemistry

Page 495, 2016-2017 Calendar, under the heading 9.3 Chemistry, amend the calendar entry as follows:

“**9.3 Chemistry**

The Major, Honours, and Joint Honours with Applied Mathematics, Biochemistry, Earth Sciences, and Physics are accredited by the Canadian Society for Chemistry.”

Page 496, 2016-2017 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~~, and 3411.
2. Physics 1050 (or 1020) and 1051 (or 1021).
3. Mathematics 1000, 1001, 2000, and 2050.
4. Biochemistry 2101

Recommended courses: ~~Biochemistry 2101~~, Mathematics 2051, Physics 2820 and/or 2750.

Students considering declaring Chemistry as their Major are encouraged to contact either the Head of the Department or the Deputy Head (Undergraduate Studies).

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Chemistry Majors may complete a minor in **Applied Science - Process Engineering**. The requirements for this minor are detailed under **Faculty of Engineering and Applied Science, Minor in Applied Science - Process Engineering.**"

Page 496, 2016-2017 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, and 490A/B and 12 credit hours selected from the remaining 4000-level Chemistry courses.~~
2. 12 credit hours selected from the 4000 level Chemistry courses chosen in consultation with the 490A/B supervisor for chemistry.
- ~~23.~~ Physics 1050 (or 1020) and 1051 (or 1021).
- ~~34.~~ Mathematics 1000, 1001, 2000, and 2050.
5. Biochemistry 2101."

Page 496, 2016-2017 Calendar, under the heading 9.3.5.2 Other Information, amend the calendar entry as follows:

"9.3.5.2 Other Information

2. Recommended courses: Biochemistry 2100, ~~Biochemistry 2101~~, Mathematics 2051, Physics 2820 and/or 2750.
7. ~~Given appropriate circumstances the The Honours Chemistry program may be completed in four years.~~ Students should consult the Undergraduate Student Handbook for timetabling details; ([http://www.chem.mun.ca/ugrad.php?content=undergraduate handbo](http://www.chem.mun.ca/ugrad.php?content=undergraduate_handbook)
[ok](http://www.chem.mun.ca/ugrad.php?content=undergraduate_handbook)).
8. Students completing first year requirements for either Chemistry or Mathematics via the three course options (i.e. Chemistry 1010, 1050, 1051 ~~(or 1010, 1011, and the former 1031)~~; Mathematics 1090, 1000, 1001) instead of the two course options (Chemistry 1050, 1051, Mathematics 1000, 1001) will require the corresponding number of extra credits to obtain an Honours degree."

Page 497, 2016-2017 Calendar, under the heading 9.3.6.1 Required Courses, amend the calendar entry as follows:

Department of Chemistry (cont'd)

“9.3.6.1 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, 4305.”

Page 497, 2016-2017 Calendar, under the heading 9.3.7 Honours Degree in Computational Chemistry, amend the calendar entry as follows:

“9.3.7 Honours Degree in Computational Chemistry

Students wishing to take Honours in Computational Chemistry should consult those sections of the Calendar dealing with **Regulations for the Honours Degree of Bachelor of Science**. ~~The Honours program in Computational Chemistry consists of a minimum of 39 credit hours in Chemistry, a minimum of 21 credit hours in Mathematics, a minimum of 15 credit hours in Physics, and a minimum of 15 credit hours in Computer Science. An additional 3 credit hours in recommended Biochemistry, Chemistry, Computer Science, Mathematics or Physics courses are also required in addition to the minimum credit hour requirements.”~~

Page 497, 2016-2017 Calendar, under the heading 9.3.7.1 Required Courses, amend the calendar entry as follows:

“9.3.7.1 Required Courses

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.”

Page 497, 2016-2017 Calendar, under the heading 9.7.3.3 Other Information, amend the calendar entry as follows:

“9.3.7.3 Other Information

4. Students completing first year requirements for any of Chemistry, Mathematics or Physics via the three course options (i.e. Chemistry 1010, 1050, and 1051, ~~or 1010, 1011, the former 1031~~, Mathematics 1090, 1000, 1001, Physics 1020, 1021, 1051) instead of the two course options (Chemistry 1050, 1051, Chemistry 1200, 1001, Mathematics 1000, 1001, Physics 1050, 1051) will require the corresponding number of extra credits to obtain an Honours degree.”

Department of Chemistry (cont'd)

Page 477, 2016-2017 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:

3. Biochemistry 2101 ~~or Chemistry 3410.~~

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.

8. An Honours Dissertation (Mathematics 419A/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.”

Page 477, 2016-2017 Calendar, under the heading 5.1.3 Biochemistry and Cell Biology Joint Honours, amend the calendar entry as follows:

“5.1.3 Biochemistry and Cell Biology Joint Honours

4. Chemistry 2100, 2301, 2400, 2401; either ~~3410 or~~ 3411 or 4410.”

Page 478, 2016-2017 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:

3. Chemistry 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, ~~3410~~4410.”

Page 479, 2016-2017 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

3. Chemistry 2100, 2210, 2301, 2302, 2400, 2401 and 3110; 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 3-6 additional credit hours in 3000-level and 6 credit hours in 4000-level Chemistry courses.

5. Biology 2120 ~~(or Biology 1001 and 1002) or~~ and Biochemistry 2101.”

Department of Chemistry (cont'd)

Page 480, 2016-2017 Calendar, under the heading 5.1.13 Chemistry and Physics Joint Honours, amend the calendar entry as follows:

“5.1.13 Chemistry and Physics Joint Honours

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 the former Chemistry 2300~~), 2302, 2400, 2401, 3210 or 3211, 3303, ~~3410~~, and 6 additional credit hours in Chemistry courses numbered 3000 or higher.

4. Biochemistry 2101.

~~45. Either An Honours Dissertation (Chemistry 490A/B or Physics 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.”~~

Page 489, 2016-2017 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:

g. Chemistry 2301 or Physics 2053, Chemistry 2400, 2401, one of Chemistry ~~3410 or~~ 3411 or 4410.”

Page 523, 2016-2017 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

“~~3410-4410~~ Bio-organic Chemistry is a study of the major classes of biomolecules, their structure, function, and ~~their in-vitro chemistry. An introduction to natural products. Synthetic polymers compared to biopolymers. Heteroaromatic molecules and derived biomolecules. The chemistry and the biochemical reactions of carbohydrates, amino acids, peptides, lipids, coenzymes, nucleic acids, polyketides, and the shikimic acid pathway. An introduction to natural products and secondary metabolites. Synthesis of peptides, nucleosides and polynucleotides. Biosynthesis of fatty acids, terpenes, polyketides, shikimates, peptides and polynucleotides.~~

~~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 3410

LH: 3

PR: ~~Science 1807;~~ CHEM 2401.

Department of Chemistry (cont'd)

3411 Synthetic Organic Chemistry I ~~is a survey of some important reactions used in organic synthesis, including pericyclic reactions and those based on carbocation, carbene, nitrene and carbanion intermediates. Emphasis is placed on multifunctional compounds. is an introduction to organic synthesis. It covers the principles of organic synthesis and a range of reactions that are used in its pursuit. These reactions fall under the general headings of functional group interconversion (oxidation, reduction, protection, deprotection, substitution, elimination) and skeleton-building (reactions of carbon nucleophiles with electrophiles, transition metal-catalyzed reactions, pericyclic reactions and reactions involving reactive intermediates).~~

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 3400~~

LH: 3

PR: Science 1807; ~~CHEM 3410, or all of CHEM 2401, Biochemistry 2400 and Biochemistry 2401~~

Page 523, 2016-2017 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

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

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

CR: the former CHEM 3100

LH: 3

PR: Science 1807; minimum 60% in CHEM 1051 (or a minimum 65% in either 1001 or the former 1031) with a grade of at least 60%”

Page 523, 2016-2017 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. focuses on fundamental concepts in the chemistry of s, p, and d block elements and their compounds. Emphasis will be placed on periodic~~

Department of Chemistry (cont'd)

trends in physical and chemical properties, molecular symmetry, molecular orbital diagrams, simple crystal structures, Lewis acid/base theory, and introductory coordination chemistry.

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: Science 1807; minimum 60% in CHEM 1051 ~~(or a minimum 65% in either 1001 or the former 1031)~~; Mathematics 1000”

Page 222, 2016-2017 Calendar, under the heading 13.5 Chemistry, amend the calendar entry as follows:

“2210 Introductory Inorganic Chemistry ~~is structural chemistry of the solid state. Introduction to molecular orbital and crystal field theories. Chemistry of the s, p, and d block elements. focuses on~~ fundamental concepts in the chemistry of s, p, and d block elements and their compounds. Emphasis will be placed on periodic trends in physical and chemical properties, molecular symmetry, molecular orbital diagrams, simple crystal structures, Lewis acid/base theory, and introductory coordination chemistry.

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 65% in CHEM 1001 (or the former 1031) or a minimum 60% in CHEM 1051), Mathematics 1000”

Page 523, 2016-2017 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

“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: Science 1807; minimum 60% in CHEM 1051, ~~(or a minimum 65%~~

Department of Chemistry (cont'd)

in either CHEM 1001 or the former CHEM 1031); Mathematics 1001. Physics 1051 or Physics 1021 is recommended.

2302 Quantum Chemistry and Spectroscopy examines the quantum mechanics of simple systems such as the particle in a box, the harmonic oscillator, linear rotor, and hydrogen-like atoms. Topics also include orbital quantum numbers, spin, many electron atoms, an introduction to quantum mechanical methods, the electronic structures of molecules, bonding, and symmetry. Furthermore, electronic, rotational, and vibrational spectroscopy will be discussed as well as modern applications of spectroscopy and lasers.

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: the former CHEM 3301

LH: 3

PR: Science 1807; minimum 60% in CHEM 1051, ~~(or a minimum 65% in either~~ CHEM 1001 or the former CHEM 1031); Mathematics 1001 and Physics 1051 or Physics 1021”

Page 222, 2016-2017 Calendar, under the heading 13.5 Chemistry, amend the calendar entry as follows:

“**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 a minimum 65% in either~~ CHEM 1001 or the former CHEM 1031); Mathematics 1001. Physics 1051 or Physics 1021 is recommended.

2302 Quantum Chemistry and Spectroscopy examines the quantum mechanics of simple systems such as the particle in a box, the harmonic oscillator, linear rotor, and hydrogen-like atoms. Topics also include orbital quantum numbers, spin, many electron atoms, an introduction to

Department of Chemistry (cont'd)

quantum mechanical methods, the electronic structures of molecules, bonding, and symmetry. Furthermore, electronic, rotational, and vibrational spectroscopy will be discussed as well as modern applications of spectroscopy and lasers.

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: the former CHEM 3301

LH: 3

PR: minimum 60% in CHEM 1051, ~~(or a minimum 65% in either CHEM 1001 or the former CHEM 1031);~~ Mathematics 1001 and Physics 1051 or Physics 1021”

60.4 Department of Biology

Page 519, 2016-2017 Calendar, under the heading 10.2 Biology, amend the calendar entry as follows:

“**4200 Immunology** (same as Biochemistry 4105 and Pharmacy 3006) 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, Pharmacy 3006, and the former Pharmacy 4105

~~LH: 3~~

PR: Science 1807; BIOL 2060 BIOL 3050”

Page 518, 2016-2017 Calendar, under the heading 10.1 Biochemistry, amend the calendar entry as follows:

“**4105 Immunology** (same as Biology 4200 and Pharmacy 3006 and the former Pharmacy 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: Biology 4200, Pharmacy 3006, the former Pharmacy 3105, the former Pharmacy 4105

PR: BIOC 2101”

Page 458, 2016-2017 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

“**3006 Immunology** (same as Biochemistry 4105 and Biology 4200) is an introduction to the cells and organs of the innate and adaptive immune systems. The molecular and cellular basis of

Department of Biology (cont'd)

allergy, autoimmunity, vaccination and cancer immunology will also be discussed.

CR: Biochemistry 4105, Biology 4200, and the former PHAR 4105

PR: PHAR 2004”

60.5 School of Human Kinetics and Recreation

Page 263, 2016-2017 Calendar, under the heading 12 Course Descriptions, amend the calendar entry as follows:

“2210 Physical Activities Course: Movement Concepts-Physical and Health Literacy employs the conceptual approach to teaching physical activity and facilitated through various forms of dance (e.g., creative, folk). Concepts, skills, and strategies will be emphasized. of movement education (i.e. concepts, skills, and strategies) through a wide variety of physical activities that focus on the development of the whole person. Socially-responsible leadership and inclusive education will also be emphasized.

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

Abbreviated Course Title: PAC: Physical & Health Literacy

3330 Health Issues I ~~covers issues in personal and community health related to infectious illness, degenerative illness, heredity, and nutrition~~ introduces students to the profession of health promotion. Students will explore the historical, social, political, and cultural contexts of health promotion, while gaining a better understanding of the models and theoretical frameworks that help to inform health promotion and the process of developing, implementing and evaluating health promotion programs.”

60.6 Department of Geography

Page 365, 2016-2017 Calendar, under the heading 12.12 Geography, amend the calendar entry as follows:

“3420 Globalization of Food examines the increasingly globalized nature of food consumption, production and trade. The course examines the positive and negative effects of globalization on the food system before exploring the proliferation of alternative food networks. These alternative food networks aim to re-localize and re-embed the food system and include organic food, fair trade, self provisioning, and animal welfare amongst many others.

CR: The former Geog 3907”

3900-3909 (Excluding 3907) Special Topics in Geography. ...”

60.7 Faculty of Engineering and Applied Science

Page 142, 2016-2017 Calendar, under the heading 6.1.1 Civil Engineering Major, amend Table 1 Civil Engineering Major as follows:

Fall Academic Term 6	ENGI 6322 ENGI 6705 ENGI 6707 ENGI 6713 ENGI 6749	3 credit hours from: ENGI 6718, 6749
Winter	003W or 004W or 005W (optional)	
Spring Academic Term 7	ENGI 7704 ENGI 7713 ENGI 7745 ENGI 7748	3 6 credit hours from: ENGI 7706, 7707, 7716, 7718 , 7723, 7748 , 8671 , 8691 , 8692 or other courses as specified by the Head of the Department of Civil Engineering
Winter Academic Term 8	ENGI 8152 ENGI 8700 ENGI 8740 ENGI 8751	6 9 credit hours from: ENGI 8670 , 8676 , 8690 , 8705, 8708, 8713, 8717, 8751 , other courses as specified by the Head of the Department of Civil Engineering

Page 153, 2016-2017 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the calendar entry as follows:

“3610 Earth Sciences for Civil Engineering is an introduction to basic concepts in geology ~~and Mining~~ with emphasis on applications in civil, geological, mining and environmental engineering through the ~~use~~ study of basic concepts and case histories. It includes the study of rocks, ~~and~~ minerals, sediments and their physical properties in ~~selected field and~~ laboratory exercises.

LH: 3

Abbreviated Course Title: Earth Sciences Civil Eng

3703 Surveying and Geomatics includes ~~plane surveying~~: distance, elevation, and angle measurements; horizontal ~~and vertical~~ curves; plane survey calculations; area and volume computations; ~~introduction to p~~Photogrammetry; ~~will be studied, including sensors and platforms, mathematics of photogrammetry; instruments and equipment, photogrammetric products, digital photogrammetry, remote sensing, and introduction to~~ global positioning (GPS) and geographical information systems (GIS). A surveying field school to introduce students to the use of surveying equipment and mapping will be held in the first two weeks of the term.

LH: nine 3-hour sessions per semester

Faculty of Engineering and Applied Science (cont'd)

OR: ~~36 hour field school conducted during~~ 18 hours of field school which occurs in the first two weeks of the semester

Abbreviated Course Title: Surveying Geomatics

3731 Materials for Construction includes structure of metals and nonmetals; deformation of metals; strengthening mechanisms in metals; concrete and cementitious materials; admixtures; iron and steel; brick masonry; concrete masonry; mortar grout and plaster; ~~reinforced masonry structures;~~ wood and wood products. ~~Relevant experiments are conducted.~~

LH: ~~at least ten~~ nine 3-hour sessions per semester

OR: ~~up to ten 1-hour tutorials per semester~~

Page 154, 2016-2017 Calendar, under the heading 11.4 Academic Term 4 Courses, amend the calendar entry as follows:

“4717 Applied Environmental Science and Engineering examines the nature and scope of environmental problems; concept of sustainable development; ~~natural environmental hazards; introduction to ecology, microbiology and epidemiology;~~ basic concepts of environmental quality parameters and standards; water and wastewater treatment; solid and hazardous wastes; atmospheric, water and noise, ~~and water~~ pollution, their measurements, and mitigation control.

LH: ~~at least ten~~ six 3-hour sessions per semester

OR: two 3-hour tutorials per semester

PR: ~~completion of Term 3 of the Civil Engineering Program~~ Chemistry 1050, ENGI 3610

Abbreviated Course Title: Applied Enviro Sci & Engi

4723 Geotechnical Engineering I ~~begins with~~ includes an introduction to soil as a three-phase material and examines physical and mechanical properties; particle size distribution; soil plasticity and structure; classification of soils; soil compaction; hydraulic properties; permeability; flow of water in soil; flownets; effective stress concept in soils; stresses in soils beneath loaded areas; and one-dimensional consolidation theory.

LH: 3

OR: ~~tutorial 1-hour per week~~ twelve 1-hour tutorials per semester

PR: ~~Completion of Term 3 of the Civil Engineering Program~~ ENGI 3610

Page 155, 2016-2017 Calendar, under the heading 11.5 Academic Term 5 Courses, amend the calendar entry as follows:

“5312 Mechanics of Solids II ~~begins with an introduction to~~ includes a review of earlier concepts; ~~then considers~~ strain transformation; failure theories; deflections of beams ~~and shafts~~; energy methods; ~~failure~~

Faculty of Engineering and Applied Science (cont'd)

~~theories;~~ buckling of columns and the inelastic behavior of beams ~~cross-sections.~~

LH: ~~at least five 3-hour~~ four 3-hour sessions per semester

OR: twelve 1 hour tutorials per semester

PR: ENGI 4312

5706 Design of Concrete Structures begins with a review of ~~mechanical properties of concrete.~~ ~~concrete mix design.~~ Topics include design methods and requirements, strength of ~~rectangular~~ reinforced concrete sections in bending, balanced condition at ultimate strength with tension reinforcement, bending with both tension and compression reinforcement; serviceability, deflections, flexural crack control for beams and one-way slabs; shear strength, inclined cracking, and shear reinforcement; bond stress and development of reinforcement; ~~T-sections in bending;~~ members in compression and bending; ~~length effects, lateral ties, spiral reinforcement and longitudinal bar placement~~ short columns.

LH: ~~at least~~ five 3-hour sessions per semester

OR: twelve 1 hour tutorials per semester

PR: ENGI 4312

5713 Fluid Mechanics examines fluid ~~characteristics~~ properties; fluid statics; buoyancy and stability; kinematics; pressure measurement; continuity, energy and momentum principles; control volume analysis; energy and hydraulic grade lines; free jets; laminar and turbulent flow; dimensional analysis; drag on immersed bodies; flow measurement; head loss in pipes; and an introduction to flow in pipe systems.

CR: ENGI 4961, the former ENGI 4913, the former ENGI 5961

LH: ~~at least five 1-hour~~ five 2-hour sessions per semester

OR: twelve 1-hour tutorials per semester

PR: ENGI 4425

5723 Geotechnical Engineering II examines shear strength of soil; types of laboratory and in-situ soil shear strength tests; ~~immediate and consolidation settlement of foundations; plastic equilibrium in soils; limit equilibrium method;~~ lateral earth pressure on retaining structures; slope stability analysis; introduction to soil bearing capacity for shallow foundations theories; introduction to pile foundations and limit state design in geotechnical engineering and stability of slopes. Relevant laboratory exercises and projects are also included.

CR: the former ENGI 6723

LH: 3

OR: twelve 1-hour tutorials per semester

PR: ENGI 4723”

Faculty of Engineering and Applied Science (cont'd)

“6705 Structural Analysis I examines structure classification and loads, building code provisions, the analysis of statically determinate ~~arches and frames~~ frames, arches and cables, stability and determinacy of planar structures, shear and moment diagrams for frames, influence lines for statically determinate structures, ~~approximate analysis of indeterminate trusses and frames~~, the force method of analysing indeterminate ~~beams and frames~~ structures; ~~an introduction to~~ the slope deflection method, and moment distribution method.

LH: ~~at least five~~ six 3-hour sessions per semester

OR: twelve 1-hour tutorials per semester

PR: ENGI 5312

6707 Design of Concrete and Masonry Structures examines the design of slender columns, design methods for reinforced concrete two-way slabs, two-way slabs supported on walls and stiff beams, ~~design of two-way slab systems~~, direct design method ~~and equivalent frame method~~, design of foundation systems, footing design, design of concrete retaining walls, ~~and basement walls~~, engineered masonry, ~~allowable masonry stresses~~, mortar stress, analysis and design of flexural members, axial load and bending in unreinforced and reinforced walls, ~~columns and masonry shear walls~~.

LH: 2

OR: twelve 1-hour tutorials per semester

PR: ENGI 5706

Abbreviated Course Title: Dsgn Concrete & Msnry Struct

6713 Hydraulics examines flow in pipe systems and networks; uniform and non- uniform flow in open channels; hydraulic machinery and associated conduits; design and analysis of culverts; and pipeline/pump system optimization.

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

PR: ENGI 4102, ENGI 5713

~~6718~~ **7718 Environmental Geotechniques** (same as the former ENGI 6718) examines soil characteristics; soil mineralogy; soil water interaction; soil contaminant interactions; advection, adsorption and diffusion; non-aqueous phase liquids; geosynthetics; design of landfills; and use of waste materials. Relevant software programs are used

CR: The former ENGI ~~6718~~ 7718

OR: six 1-hour tutorials per semester

PR: ENGI 5723”

Page 158, 2016-2017 Calendar, under the heading 11.7 Academic Term 7 Courses, amend the calendar entry as follows:

“7704 Design of Steel Structures begins with a review of ~~d~~Design ~~c~~Concepts, ~~s~~Standards and ~~p~~Products. Topics include design of

Faculty of Engineering and Applied Science (cont'd)

members and connections, tension members, bolted joints, welded joints, compression members, stability and effective length, flexural members including beams & beam-columns, plate girders, composite ~~construction~~beams, introduction to serviceability, ~~and~~ through deflections of beams.

LH: ~~at least four 2-hour~~ five 3-hour sessions per semester

OR: twelve 1-hour tutorials per semester

PR: ENGI 5706 and 5312 or approval of the appropriate Head of the Department

7713 Hydrology and Water Resources examines basic hydrometeorological processes, evapotranspiration, precipitation, intensity-duration-frequency (IDF) analysis and development, snowmelt, infiltration, runoff and streamflow; statistical treatment of hydrologic data; hydrograph analysis and synthesis; ~~evaporation; structure~~ design storms and design floods; reservoir storage and flood routing; urban run-off and drainage; use of hydrologic modelling software.

LH: ~~at least 6 hours~~ four 2-hour sessions per semester

PR: ENGI 5713

7716 Hydrotechnical Engineering examines the theory and application of steady gradually-varied flow in artificial and natural open channels together with an introduction to appropriate software; erosion protection and mobile-boundary hydraulics; problems with ice in rivers, the design of spillways, energy dissipaters, and culverts; ~~physical scale models~~. There is an introduction to water hammer and surge tanks.

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

PR: ENGI 6713

7745 Highway Engineering examines ~~design and construction of highways~~ transportation systems including driver, vehicle and road characteristics; ~~highway location and~~ geometric design of highways; ~~soil classification~~; subgrade and base materials; highway drainage features; design of flexible and rigid pavement; ~~and highway economics~~ fundamentals of traffic flow and queuing theory; traffic control and analysis of signalized intersections; travel demand and traffic forecasting.

LH: four 3-hour sessions per semester

PR: ~~Completion of Academic Term 6 of the Civil Engineering Program~~ ENGI 3703, ENGI 5723

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

Faculty of Engineering and Applied Science (cont'd)

“**8705 Structural Building Systems** examines geometries, loads, safety and serviceability, procedure of using the national building code for evaluating the governing loads on structural members; approximate analysis of structures; structural forms for low rise structures; design of low rise ~~concrete, timber~~ and steel buildings; lateral load-resisting elements and bracing systems; ~~design of foundation systems, footing design, pile cap design, pile group analysis using elastic centre method and inclined pile analysis; prestressed concrete concepts: strength of flexural members, and shear reinforcement for prestressed concrete beams.~~

LH: 2 ~~at least nine 3-hour sessions per term~~

OR: 1 hour tutorial per week

PR: ENGI ~~6707~~ 7704”

60.8 School of Pharmacy

Page 454, 2016-2017 Calendar, under the heading 7.2 Registration as a Pharmacy Student, amend the calendar entry as follows:

“7.2 Registration as a Pharmacy Student

A student must ~~be~~ register annually with the Newfoundland and Labrador licensing body as a “Pharmacy Student” by September 30th. As part of the registration process, students must provide a current certificate of conduct (criminal record check). Further information may be obtained at www.nlpb.ca. 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.”

Page 454, 2016-2017 Calendar, under the heading 8.1 General Information, amend the calendar entry as follows:

“8.1 General Information

1. Admission will be to the first year of the Doctor of Pharmacy (Pharm.D.) program in the Fall term.
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 the Committee on Undergraduate Student Admissions of the School of Pharmacy.
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

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minimum numeric grade and course requirements for admission to the program.

4. The Committee on Undergraduate Student Admissions of the School of Pharmacy 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 certificates of conduct (criminal record checks) or other screening procedures as a condition of admission to its program. However, applicants should be aware that a certificate of conduct will be required as part of the registration process with the Newfoundland and Labrador pharmacy licensing body. In addition, applicants should be aware such certificates of conduct ~~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."

Page 458, 2016-2017 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

"2002 Anatomy and Physiology I 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. 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

PR: Science 1807

2003 Anatomy and Physiology II 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. The focus will be on developing an understanding of the

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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 and Science 1807

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; and Science 1807

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 and Science 1807”

Page 456, 2016-2017 Calendar, under the heading 9.1 Doctor of Pharmacy (Pharm.D.), amend the calendar entry as follows:

“9.1 Doctor of Pharmacy (Pharm.D.)

- The ~~248~~ 224 credit hour entry-to-practice Doctor of Pharmacy (Pharm.D.) degree requires 30 credit hours before admission and ~~188~~ 194 credit hours after admission to the program.”

Pages 450-458, 2016-2017 Calendar, under the heading 4 Description of Program – Bachelor of Science Pharmacy up to 15 Course Descriptions, amend the calendar entry as follows:

“~~4 Description of Program – Bachelor of Science (Pharmacy)~~

Important Notice

~~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.~~

The Bachelor of Science (Pharmacy) degree has been 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 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

School of Pharmacy (cont'd)

- responsible for providing the overall direction for the program and recommending policies and procedures for its operation.
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 term in the first, second, and third years of the program. The final SPE is completed in the Winter term 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 annually with the Newfoundland and Labrador licensing body as a "Pharmacy Student" by September 30th. Further information may be obtained at www.nlfb.ca. 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 Experience. A student who fails to meet the registration requirements will be required to withdraw from the program.

School of Pharmacy (cont'd)

5 Program Regulations – 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.

5.1 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.
 - 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 Committee on Undergraduate Studies of the School of Pharmacy.
 - Elective courses may be taken from any academic unit.

Table 1 Bachelor of Science (Pharmacy)

Term	Required Courses	Elective Courses
Courses required for admission:	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	

6 Promotion Regulations – Bachelor of Science (Pharmacy)

6.1 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)**.

School of Pharmacy (cont'd)

- ~~Success in the program depends on meeting the requirements of all terms.~~

6.2 Promotion Status

~~A student's promotion status at the end of each Academic year will be in one of the following two categories:~~

6.2.1 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.~~

6.2.2 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.~~

School of Pharmacy (cont'd)

- ~~*—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.~~

6.3 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.~~

6.4 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~~

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~~who does not resume studies on the specified date may be deemed to have left the program.~~

47 Description of Program - Doctor of Pharmacy (Pharm.D.)

~~The entry to practice Doctor of Pharmacy (Pharm.D.) degree program will be available for admission for Fall 2017. The application deadline is February 1, 2017.~~

47.1 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 pharmacy program. The program 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 program, 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.

4.17.2 Registration as a Pharmacy Student

A student must ~~be~~ register annually with the Newfoundland and Labrador licensing body as a "Pharmacy Student" by September 30th. Further information may be obtained at www.nlpb.ca. 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 Experience. A student who fails to meet the registration requirements will be required to withdraw from the program.

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4.27.3 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 (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.

4.2.17.3.1 Pharmacy Practice Experience 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.

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58 Admission Regulations - Doctor of Pharmacy (Pharm.D.)

~~The entry to practice Doctor of Pharmacy (Pharm.D.) degree program will be available for admission for Fall 2017.~~ The application deadline is February 1, 2017. Application information ~~is~~ will be made available at www.mun.ca/pharmacy/.

In addition to meeting **UNIVERSITY REGULATIONS** students applying for admission for the program must meet the admission regulations of the School.

58.1 General Information

1. Admission will be to the first year of the Doctor of Pharmacy (Pharm.D.) program in the Fall term.
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 the Committee on Undergraduate Student Admissions of the School of Pharmacy.
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. The Committee on Undergraduate Student Admissions of the School of Pharmacy 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.

School of Pharmacy (cont'd)

58.2 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/.
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.

58.3 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 term 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
 - 6 credit hours in English (a Critical Reading and Writing course is recommended)
 - Mathematics 1000 and 1001
 - Physics 1020 or 1050, and Physics 1021 or 1051
2. For students attending Grenfell Campus, the following course offerings are acceptable for admission to the School;
 - Biology 1001 and 1002
 - Chemistry 1200 and 1001
 - 6 credit hours in English (a Critical Reading and Writing course is recommended)
 - Mathematics 1000 and 1001
 - Physics 1020 or 1050, and Physics 1021 or 1051
3. 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 term of the year in which admission is being sought.

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4. 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.

58.4 Acceptance Procedures - Doctor of Pharmacy (Pharm.D.)

1. The decision of the Committee on Undergraduate Student Admissions of the School of Pharmacy will be sent electronically to applicants by the Dean of the School. 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 term.
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 term 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/.

69 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 and 188 credit hours after admission to the program.
- The program courses normally shall be taken in the Academic Terms in the sequence and course load as set out in **Table 12 Doctor of Pharmacy (Pharm.D.)**.

Table 12 Doctor of Pharmacy (Pharm.D.)

Term	Required Courses
Courses required for admission as indicated under Admission Regulations for the Doctor of Pharmacy (Pharm.D.)	Biology 1001 and 1002 Chemistry 1050 and 1051 (St. John's Campus) or Chemistry 1200 and 1001 (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
Fall Year 1, Academic Term 1	Chemistry 2400 PHAR 2002 PHAR 2010 (may be completed in Fall, Winter or Spring) PHAR 2201 PHAR 2250 PHAR 2610
Winter Year 1, Academic Term 2	Chemistry 2401 PHAR 2003 PHAR 2004 PHAR 2010 (if not previously completed) PHAR 2202 PHAR 2251 PHAR 2620
Spring Year 1, Academic Term 3	PHAR 2010 (if not previously completed)
Fall Year 2, Academic Term 4	PHAR 3111 PHAR 3250 PHAR 3270 PHAR 3801 PHAR 3805
Winter Year 2, Academic Term 5	PHAR 3006 PHAR 3251 PHAR 3271 PHAR 3410 PHAR 3810 PHAR 3825
Spring Year 2, Academic Term 6	PHAR 305P
Fall Year 3, Academic Term 7	PHAR 4250 PHAR 4270 PHAR 4620 PHAR 4802 PHAR 4810 Statistics 2550
Winter Year 3, Academic Term 8	PHAR 4251 PHAR 4271 PHAR 4420 PHAR 4820 PHAR 4860
Spring Year 3, Academic Term 9	PHAR 406P PHAR 407P
Fall Year 4, Academic Term 10	PHAR 5250 PHAR 5270 PHAR 5430 PHAR 5815

	PHAR 5830
Winter Year 4, Academic Term 11	PHAR 508P PHAR 5251 PHAR 5271 PHAR 5275 PHAR 5640
Year 5, Advanced Pharmacy Practice Experience	PHAR 605P PHAR 606P PHAR 607P PHAR 608P

740 Promotion Regulations - Doctor of Pharmacy (Pharm.D.)

740.1 General Information

- The Committee on Undergraduate Studies of the School of Pharmacy 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.

740.2 Promotion Status

A student's promotion status at the end of each Academic year will be in one of the following two categories:

740.2.1 Clear Promotion

Clear Promotion means a student can proceed to the next Academic year. Clear Promotion will be granted when the following criteria are met.

- A student must have completed 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 will be based on credit hours in the program of study as outlined in **Table 12 Doctor of Pharmacy (Pharm.D.)**.
- 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.

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- A student must maintain professional and ethical behaviour consistent with the Student Code Conduct as outlined at: www.mun.ca/pharmacy.

740.2.2 Promotion Denied

Promotion Denied means Clear Promotion is not achieved at the end of the Academic year. Promotion Denied will be granted when any of the following criteria are met.

- 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 12 Doctor of Pharmacy (Pharm.D.)**.
- A student has obtained less than 50% in any course or who 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 failed to obtain **Clear Promotion** at the end of each Academic year.
- 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 the Committee on Undergraduate Studies of the School of Pharmacy.

740.2.3 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 Conduct as outlined at www.mun.ca/pharmacy.
- A student is required to obtain a grade of PAS (pass) in all four APPE courses (PHAR 605P, 606P, 607P, 608P).

School of Pharmacy (cont'd)

- Normally, if a student fails an APPE course, the Committee on Undergraduate Studies of the School of Pharmacy 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 e~~Certain circumstances, such as violation of student conduct as outlined at www.mun.ca/pharmacy or 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.

740.3 Student Withdrawal

- A student may be required to withdraw from the program at any time, if, in the opinion of the Dean of Pharmacy, the student is 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~~from~~ the program.

740.4 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 should be discussed with the Dean. At the end of this period, the student, in consultation with the Committee on Undergraduate Studies of the School of Pharmacy, 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.

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**811 Supplementary and Deferred Examination Regulations -
~~Bachelor of Science (Pharmacy) and Doctor of Pharmacy~~
(Pharm.D.)**

- 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.
- 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.
- A student shall be permitted to write a maximum number of one supplementary examination (excluding Pharmacy Practice 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 www.mun.ca/pharmacy 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 www.mun.ca/pharmacy or contact the Associate Dean of Undergraduate Studies.

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912 Graduation - ~~Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)~~

- 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. Additional information is available from the Office of the Registrar at www.mun.ca/regoff/graduation/apply_grad.php.

1013 Waiver of School Regulations - ~~Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)~~

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 (Pharm.D.)~~

- 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 Committee on Undergraduate Studies of the School of Pharmacy.
- All requests must be submitted to the Committee on Undergraduate Studies of the School of Pharmacy for consideration. A student requesting a waiver of a School regulation must submit the request in writing to the Chair of the Committee on Undergraduate Studies of the School of Pharmacy. 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 (Pharm.D.)~~

- 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**.
- An applicant who has been denied admission has the right to appeal this decision of the Committee on Undergraduate Student Admissions of the School of Pharmacy if it is felt by the applicant that the decision was reached on grounds other than

School of Pharmacy (cont'd)

those outlined in the admission regulations for the former Bachelor of Science (Pharmacy) and in the **Admission Regulations for the Doctor of Pharmacy (Pharm.D.)**. The appeal should 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.

1215 Course Descriptions

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.

A student is advised to pay attention to Usage Limitation (UL) for each course to determine its program applicability.

All courses of the School are designated by PHAR and are restricted to students in the School of Pharmacy.”

60.9 Faculty of Education

Page 122, 2016-2017 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

“3210 Introduction to ~~Guidance Services~~ Counselling (PE,PS,AL) is an introduction to ~~guidance services in the modern school~~ the profession of counselling throughout the lifespan with specific emphasis on the definition and its history of the profession, the characteristics and professional competencies of a counsellor, ethical issues and principles, theories and current issues. ~~, purpose, basic concepts and principles, and services. Students are introduced~~ Topics also include an introduction to the nature of counselling, and ways of developing effective interpersonal relationships within various educational contexts, the school environment, and the role of the school counsellor and other educational personnel in the provision of guidance services.

Abbreviated Course Title: Intro to Counselling”

60.10 Department of Chemistry

Page 523, 2016-2017 Calendar, under the heading 10.3 Chemistry, amend the calendar entry as follows:

Department of Chemistry (cont'd)

“2400 Introductory Organic Chemistry I is a course on bonding involving carbon; conformations and stereochemistry; introduction to functional groups and nomenclature; properties, syntheses and reactions of hydrocarbons, alkyl halides, ~~and~~ alcohols, and ethers.

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

CO: ~~CHEM 1051~~

CR: CHEM 2440

LH: 3

PR: Science 1807; a minimum 60% in CHEM 1050 and 1051; or the former 1031; or CHEM 1010 and 1011 with a grade of at least 80% in each; or CHEM 1011 with a grade of at least 85%; or CHEM 1001 (or the former 1031) with a grade of at least 65%

2401 Introductory Organic Chemistry II is an introduction to the interpretation of mass, infrared, ¹H and ¹³C-13 NMR spectra; properties, syntheses and reactions of ~~ethers,~~ simple aromatic and heteroaromatic compounds, ketones, aldehydes, amines, carboxylic acids and their derivatives; aldol and related reactions.

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 2420, 2440, and the former 240A/B~~

LH: 3

PR: Science 1807; CHEM 2400

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: Science 1807; CHEM 1001 or 1051 or a minimum 60% in CHEM 1011 ~~(or 1001 or 1051)~~

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

Page 222, 2016-2017 Calendar, under the heading 13.5 Chemistry, amend the calendar entry as follows:

“2400 Introductory Organic Chemistry I is a course on bonding involving carbon; conformations and stereochemistry; introduction to

Department of Chemistry (cont'd)

functional groups and nomenclature; properties, syntheses and reactions of hydrocarbons, alkyl halides, ~~and~~ alcohols, ~~and~~ ethers.

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

CR: ~~the former CHEM 2420~~; CHEM 2440, ~~the former CHEM 240A/B~~
LH: 3

PR: A minimum 60% in CHEM 1051 or the former 1031; or CHEM 1010 and CHEM 1011 with a grade of at least 80% in each; or CHEM 1011 with a grade of at least 85%; or CHEM 1001 (or the former 1031) with a grade of at least 65%

2401 Introductory Organic Chemistry II is an introduction to the interpretation of mass, infrared, ^1H and ^{13}C -13 NMR spectroscopy; properties, syntheses and reactions of ~~ethers~~, simple aromatic and heteroaromatic compounds, ketones, aldehydes, amines, carboxylic acids and their derivatives; aldol and related reactions.

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 2420~~; CHEM 2440, ~~the former CHEM 240A/B~~
LH: 3

PR: CHEM 2400

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 CHEM 2420~~, ~~the former CHEM 240A/B~~.
LH: 3

PR: CHEM 1001 or 1051 or a minimum 60% in CHEM 1011 (or CHEM 1001 or CHEM 1051)

UL: ~~is designed primarily for Biology Majors and may not be used for credit by Chemistry or Biochemistry Majors and may will not serve as a prerequisite for any other Chemistry course.~~

60.11 Department of Earth Sciences

Page 529, 2016-2017 Calendar, under the heading 10.5.2 Second Year, amend the calendar entry as follows:

“**2030 Mineralogy** provides an introduction to crystallography and the structure of minerals; introduction to crystal optics; study of the rock

Department of Earth Sciences (cont'd)

forming minerals and minerals of economic significance. Laboratory work comprises study of the structures and symmetries of minerals, chemistry of rock forming minerals, introduction to transmitted light microscopy of rocks, hand specimen recognition of common rocks and minerals.

CO: EASC 2502

CR: the former EASC 203A/B

LH: 3

PR: EASC 1000 and 1002 with a grade of at least 55% in each, Chemistry 1051 (~~or 1011 or 1001~~), Physics 1051 (or 1021 or 1054), and Mathematics 1000

2502 Introduction to Geochemistry provides an overview of both low- and high-temperature geochemistry. Topics include: origin and classification of the elements; chemical differentiation of the solar system and solid Earth; aqueous geochemistry and the stability of minerals; radiogenic and stable isotopes. Geochemical concepts are illustrated using data and processes drawn from Earth systems. The laboratory component emphasizes the development of numerical skills needed in geochemistry.

CO: Mathematics 1001

LH: 3

PR: EASC 1000 and 1002 with a grade of at least 55% in each, Chemistry 1051 (~~or 1011 or 1001~~)

2702 Sedimentology and Stratigraphy is a study of the origin and composition of sediments with a focus on depositional processes and resulting sedimentary structures. Study of environments of deposition and the stratigraphic framework of sedimentary successions. Laboratories involve local field trips, petrographic analysis, and the study of hand samples of sedimentary rocks.

CR: the former Geology 3070 or the former EASC 3070 or the former EASC 3701

LH: 3

PR: EASC 1000 and 1002 with a grade of at least 55% in each

2905 Introduction to Geological Mapping is based on approximately six days of geological mapping in Precambrian rocks near St. John's, and two days of in-class work preparing a digital map and written report. Emphasis is placed on the recognition and description of sedimentary and igneous rocks in the field, and techniques of geological mapping and the taking of field notes. This course will be given during a special session immediately preceding the fall semester.

AR: attendance is required

Department of Earth Sciences (cont'd)

CH: 2

CR: the former EASC 2310 or the former EASC 2300

OR: field based course

PR: EASC 1000 and 1002 with a grade of at least 55% in each, and an application to the Head of the Department

2919 Introduction to Marine Geology (same as Ocean Sciences 2200) is a study of the formation and evolution of oceans, including plate tectonics, mid-ocean ridges (birth place of oceans), subduction zones (where oceans are consumed), sedimentary environments such as estuaries, deltas, beaches and barrier islands, continental shelves, slopes and deep abyssal plains and special topics, including anoxic events, evolution of tides, atmosphere-ocean interactions, formation of banded iron formations, snowball Earth, black and white smokers, and how Earth modulates its climate through atmosphere, hydrosphere, biosphere and lithosphere interactions.

CR: Ocean Sciences 2200

PR: EASC 1000 with a grade of at least 55%

Page 537, 2016-2017 Calendar, under the heading 10.9 Ocean Sciences, amend the calendar entry as follows:

“2200 Introductory Geological Oceanography (same as Earth Sciences 2919) is a study of the formation and evolution of oceans, including plate tectonics, mid-ocean ridges (birth place of oceans), subduction zones (where oceans are consumed), sedimentary environments such as estuaries, deltas, beaches and barrier islands, continental shelves, slopes and deep abyssal plains and special topics, including anoxic events, evolution of tides, atmosphere-ocean interactions, formation of banded iron formations, snowball Earth, black and white smokers, and how Earth modulates its climate through atmosphere, hydrosphere, biosphere and lithosphere interactions.

CR: Earth Sciences 2919

PR: Earth Sciences 1000 with a grade of at least 55%”

Page 531, 2016-2017 Calendar, under the heading 10.5.4 Fourth Year, amend the calendar entry as follows:

“4179 Digital Signal Processing is an introduction to the theory and basic computational techniques of digital signal processing in geophysics. Topics covered include: sampling, Fourier transformation, design and application of digital filters, deconvolution, spectral analysis, two dimensional signal processing, with emphasis on geophysical applications.

LH: 3

PR: EASC 3170, 3172, ~~and~~ 3179 and Physics 2820”

Department of Earth Sciences (cont'd)

Page 501, 2016-2017 Calendar, under the heading 9.5.4.1 Common Block of Required Courses, amend the calendar entry as follows:

“9.5.4.1 Common Block of Required Courses

All majors in Earth Sciences must complete those courses specified in Clauses 1. through 4. Students should examine prerequisites of 3000 level courses in order to decide which course to select under Clauses 3. and 4.

1. English 1080 and 1110 (or equivalent), Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, ~~one of Chemistry 1050 or 1010 or 1200 and one of Chemistry 1051 or 1011 or 1001~~, Chemistry 1050 and 1051 or Chemistry 1200 and 1001, Physics 1050 and 1051 or Physics 1020 and 1021. Students are advised to consult the Department of Physics Course Descriptions section for credit restrictions.”

Page 479, 2016-2017 Calendar, under the heading 5.1.8 Biology and Earth Sciences Joint Honours, amend the calendar entry as follows:

“5.1.8 Biology and Earth Sciences Joint Honours

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

1. English 1080 and 1110 (or equivalent), Mathematics 1000 and 1001, Biology 1001 and 1002, Earth Sciences 1000 and 1002, ~~Chemistry 1010 and 1011 (or 1050 and 1051)~~ (or 1200 and 1001), Physics 1020 and 1021 (or 1050 and 1051).”

Page 481, 2016-2017 Calendar, under the heading 5.1.18 Earth Sciences and Geography Joint Honours (B.Sc. Only), amend the calendar entry as follows:

“5.1.18 Earth Sciences and Geography Joint Honours (B.Sc. Only)

The following courses will be required. A few prerequisites are not met by this list of courses, and students are advised to obtain advice from instructors in such cases to be sure that they are prepared for course material. Both departmental Heads can advise students on a workable sequencing of courses to complete the degree in a timely manner, and students should view a student handbook that describes thematic streams within the program and offers specific guidance about course selection.

Department of Earth Sciences (cont'd)

1. English 1080 or equivalent, English 1110 or equivalent, Geography 1050, Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, ~~one of Chemistry 1010 or 1050 (or equivalent) and one of Chemistry 1011 or 1051 (or equivalent),~~ Physics 1050 and 1051, or Physics 1020 and 1021.”

Page 481, 2016-2017 Calendar, under the heading 5.1.19 Earth Sciences and Physics Joint Honours, amend the calendar entry as follows:

“5.1.19 Earth Sciences and Physics Joint Honours

This program was formerly in the Earth Sciences section of the calendar as an Honours B.Sc. Degree in Geophysics. The following courses will be required:

1. English 1080 and 1110 (or equivalent), Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, Chemistry 1050 and 1051 (~~or Chemistry 1010 and 1011~~)(or 1200 and 1001), Physics 1050 (or 1020) and 1051.”

Page 481, 2016-2017 Calendar, under the heading 5.1.20 Geophysics and Physical Oceanography Joint Honours, amend the calendar entry as follows:

“5.1.20 Geophysics and Physical Oceanography Joint Honours

The program requires the following courses:

1. English 1080 and 1110 (or equivalent), Chemistry 1050 and 1051 (or Chemistry 1200 and 1001~~1010, 1011, and the former 1031~~), Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, Physics 1050 (or 1020) and 1051.”

Page 483, 2016-2017 Calendar, under the heading 5.2.9 Earth Sciences and Physics Joint Major, amend the calendar entry as follows:

“5.2.9 Earth Sciences and Physics Joint Major

This program was formerly in the Earth Sciences section of the calendar as a General B.Sc. Degree in Geophysics. The following courses will be required:

1. English 1080 and 1110 (or equivalent), Mathematics 1000 and 1001, Earth Sciences 1000 and 1002, Chemistry 1050 and 1051 (~~or Chemistry 1010 and 1011~~), (or 1200 and 1001), Physics 1050 (or 1020) and 1051.”

Department of Earth Sciences (cont'd)

Page 529, 2016-2017 Calendar, under the heading 10.5.2 Second Year, amend the calendar entry as follows:

“2916 Natural Hazards on a Dynamic Earth describes the surface of the Earth being in a constant state of change, thereby posing risks and challenges for society. A basic understanding of geological processes in the past and present provides some context for ~~evaluating~~ appreciating the risks related to earthquakes, volcanic activity and mass movements, challenges related to water resources, land-use planning and waste disposal, and ~~the~~ some background to interpret sources and consequences of climate change. The course will provide a broad perspective on contemporary issues facing society. This course is designed for students taking Earth Sciences as an elective subject. This course complements traditional disciplines such as history, economics, and political science and should be of particular interest to prospective teachers.

CR: ENVS 2360

UL: not acceptable as one of the required courses for the Minor, Major or Honours programs in Earth Sciences.”

Page 228, 2016-2017 Calendar, under the heading 13.12.3 Other Environmental Science, amend the calendar entry as follows:

“2360 Geological Hazards and Natural Disasters will introduce students to the geological aspects of the natural environment and the impacts that natural geological processes and phenomena may have on humanity. The impact of geological hazards and natural disasters on human society and behaviour will be examined through case studies.

CR: EASC 2916

PR: 15 credit hours or more”

60.12 Department of Mathematics and Statistics

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry as follows:

“3000 Real Analysis I covers proof techniques, structure of the real numbers, sequences, limits, continuity, uniform continuity, differentiation.

CR: the former MATH 2001

LH: + 1.5

PR: MATH 2000”

Page 234, 2016-2017 Calendar, under the heading 13.21 Mathematics and Statistics, amend the calendar entry as follows:

Department of Mathematics and Statistics (cont'd)

“3000 Real Analysis I is proof techniques, structure of \mathbb{R} , sequences, limits, continuity, uniform continuity, differentiation.

CR: the former MATH 2001

LH: 4- 1.5

PR: MATH 2000”

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry as follows:

“109A and 109B Introductory Algebra and Trigonometry is a two-semester course which provides students with the essential prerequisite elements for the study of an introductory course in calculus, at a slower pace than MATH 1090. Topics include algebra, functions and their graphs, exponential and logarithmic functions, trigonometry, polynomials, and rational functions.

CR: if previously completed or currently registered for MATH 1000, 1001, 1090, the former 1080, or the former 1081

LC: 4

PR: a combination of placement test and high school Mathematics scores acceptable to the Department

Abbreviated Course Title: Intro Algebra & Trigonometry”

Page 84, 2016-2017 Calendar, under the heading 5.2.1.1 Direct Entry (for High School Students), amend the calendar entry as follows:

“Students may apply for admission into first year of the Bachelor of Commerce (Co-operative) program (Terms A/B) directly from high school by indicating this in the appropriate place on their Undergraduate Application for Admission/Readmission to Memorial University of Newfoundland. Terms A/B normally starts in September. Direct entry from high school is subject to the applicant's final acceptance to the University and admissibility into ~~either~~ Mathematics 1000, ~~or~~ 1090 or 109A/B. ~~Terms A/B normally starts in September.~~”

Page 95, 2016-2017 Calendar, under the heading 10.2 Core and Elective Course Descriptions, amend the calendar entry for Business 1101 as follows:

“PR: Mathematics 1090 or 109B or a combination of placement test and high school Mathematics scores acceptable to the Faculty”

Page 224, 2016-2017 Calendar, under the heading 13.7 Computer Science, amend the calendar entry for Computer Science 1600 as follows:

Department of Mathematics and Statistics (cont'd)

“PR: Level III Advanced Mathematics or Mathematics 1090 or 109B, which can be taken concurrently”

Page 224, 2016-2017 Calendar, under the heading 13.7 Computer Science, amend the calendar entry for Computer Science 1700 as follows:

“CO: Mathematics 1090 or 109B (or equivalent), or Mathematics 1000
PR: Mathematics 1090 or 109B (or equivalent), or Mathematics 1000”

Page 234, 2016-2017 Calendar, under the heading 13.21 Mathematics and Statistics, amend the first sentence of the calendar entry to read as follows:

“At most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, 1080, 1081, 1090, 109A/B, 1150, 1151.”

Page 234, 2016-2017 Calendar, under the heading 13.21 Mathematics and Statistics, amend the calendar entry as follows:

~~“**102F, 103F and 104F Mathematics Skills Program** are non-credit courses intended for those students who either have a weak background in mathematics or are returning to the subject after some years. The program enables students to master mathematical operations such as those involving whole numbers, fractions, decimals, percents, integers, exponents, linear equations, algebraic and rational expressions, formulas, graphs, systems of linear equations, basic trigonometry, exponents and radicals, and quadratics.”~~

Page 234, 2016-2017 Calendar, under the heading 13.21 Mathematics and Statistics, amend the calendar entry for Mathematics 1000 to read as follows:

“PR: MATH 1090 or 109B or a combination of placement test and high school Mathematics scores acceptable to the Department”

Page 234, 2016-2017 Calendar, under the heading 13.21 Mathematics and Statistics, amend the calendar entry for Mathematics 1090 to read as follows:

“CR: if previously completed or currently registered for MATH 1000, MATH 1001, MATH 109A/B, the former 1080, or the former 1081
PR: a combination of placement test and high school Mathematics scores acceptable to the Department or the former MATH 104F”

Department of Mathematics and Statistics (cont'd)

Page 236, 2016-2017 Calendar, under the heading 13.23 Physics, amend the calendar entry for Physics 1020 to read as follows:

“CO: Mathematics 1090 or 109B

PR: Level III Advanced Mathematics or Mathematics 1090 or 109B. It is recommended that students have completed at least one of level II and level III high school physics courses, however this course may be completed by someone who has no physics background provided some extra effort is made.”

Page 236, 2016-2017 Calendar, under the heading 13.23 Physics, amend the calendar entry for Physics 2400 to read as follows:

“PR: Level III Advanced Mathematics or Mathematics 1090 or 109B. It is recommended that students have completed at least one of Level II and Level III high school physics courses.”

Page 254, 2016-2017 Calendar, under the heading 6.2.1 Teaching Option, amend row one, column two of Table 2 Bachelor of Physical Education (Co-operative) – Teaching Option as follows:

“English 1080 or equivalent

HKR 2000

3 credit hours in a laboratory science (either Biology, Chemistry, or Physics is recommended)

~~3 credit hours chosen from~~ Mathematics 1000 or 1050

~~or 1051 or 1090”~~ 3 credit hours on Mathematics at the 1000 level”

Page 254, 2016-2017 Calendar, under the heading 6.2.1 Teaching Option, amend row two, column two of Table 2 Bachelor of Physical Education (Co-operative) – Teaching Option as follows:

“English 1110 or equivalent

HKR 2300

3 additional credit hours in a laboratory science (either Biology, Chemistry, or Physics is recommended)

3 credit hours ~~chosen from~~ in Mathematics 1000 ~~or 1050~~

~~or 1051 or 1090~~ at the 1000 level”

Page 283, 2016-2017 Calendar, under the heading 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, amend Regulation 2 as follows:

“either Mathematics 1090 (or 109A/B) and 1000 or Mathematics 1000 and 3 credit hours in one of a language other than English or in the subject of the intended Major program;”

Department of Mathematics and Statistics (cont'd)

Page 488, 2016-2017 Calendar, under the heading 9.1.2 Major in Biochemistry, amend Regulation 1(c) as follows:

“Mathematics 1000, 1001 (or Mathematics 1090, 1000, or Mathematics 109A/B, 1000)”

Page 489, 2016-2017 Calendar, under the heading 9.1.2.1 Honours in Biochemistry, amend Regulation 1(c) as follows:

“Mathematics 1000, 1001 (or Mathematics 1090, 1000, or Mathematics 109A/B, 1000)”

Page 489, 2016-2017 Calendar, under the heading 9.1.3.1 Major in Nutrition, amend Regulation 1(c) as follows:

“Mathematics 1000, 1001 (or Mathematics 109A/B, 1000, or Mathematics 1000 and one elective)”

Page 490, 2016-2017 Calendar, under the heading 9.1.3.2 Honours Degree in Nutrition, amend Regulation 1(c) as follows:

“Mathematics 1000, 1001 (or Mathematics 109A/B, 1000, or Mathematics 1000 and one elective)”

Page 490, 2016-2017 Calendar, under the heading 9.2.1 Entrance Requirements, amend Regulation 2 as follows:

“Mathematics 1090 and Mathematics 1000 (or Mathematics 109A/B and Mathematics 1000, or Mathematics 1000 only)”

Page 496, 2016-2017 Calendar, under the heading 9.3.5.2 Other Information, amend Regulation 8 as follows:

“Students completing first year requirements for either Chemistry or Mathematics via the three course options (i.e. Chemistry 1010, 1050, 1051 (or 1010, 1011, and the former 1031), Mathematics 1090, 1000, 1001 (or 109A/B, 1000, 1001)) instead of the two course options (Chemistry 1050, 1051, Mathematics 1000, 1001) will require the corresponding number of extra credits to obtain an Honours degree.”

Page 497, 2016-2017 Calendar, under the heading 9.3.7.3 Other Information, amend Regulation 4 as follows:

“Students completing first year requirements for any of Chemistry, Mathematics or Physics via the three course options (i.e. Chemistry 1010, 1050 and 1051 or 1010, 1011, the former 1031, Mathematics 1090, 1000, 1001 or 109A/B, 1000, 1001, Physics 1020, 1021, 1051)

Department of Mathematics and Statistics (cont'd)

instead of the two course options (Chemistry 1050, 1051, Chemistry 1200, 1001, Mathematics 1000, 1001, Physics 1050, 1051) will require the corresponding number of extra credits to obtain an Honours degree.”

Page 503, 2016-2017 Calendar, under the heading 9.8.1 Regulations, amend Regulation 1 as follows:

“At most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, the former 1080, the former 1081, 1090, 109A/B, the former 1150 and 1151.”

Page 503, 2016-2017 Calendar, under the heading 9.8.1 Regulations, amend Regulation 3 as follows:

“Placement in Mathematics 1000, 1050, 1051, ~~and~~ 1090 and 109A/B, and Statistics 1510, shall be determined by the Department of Mathematics and Statistics on the basis of the student’s score on the Mathematics Placement Test (MPT), SAT Subject Test in Mathematics Level 1, or other acceptable criteria-based test.”

Page 505, 2016-2017 Calendar, under the heading 9.10 Physics and Physical Oceanography, amend Note 4 as follows:

“Physics 1050 is open to and recommended for students who have completed Level II Physics, Level III Physics and Level III Advanced Mathematics. Mathematics 1000 must be taken at the same time as, or be completed prior to, taking Physics 1050. Students who have completed Mathematics 1090 (or 109A/B) and Physics 1050 are required to complete Mathematics 1000 before registering for Physics 1051.”

Page 506, 2016-2017 Calendar, under the heading 9.10.3 Honours in Physics, amend the first paragraph to read as follows:

“Only 6 credit hours at the 1000 level in each of Physics, Chemistry and Mathematics can be used to fulfil the 120 credit hours required for the Honours program. The inclusion of Mathematics 1090 (or 109A/B), the sequence of Physics 1020, 1021, and 1051 or the substitution of Chemistry 1010, 1011 and the former 1031 for Chemistry 1050 and 1051 will each increase the number of credit hours required for the Honours Physics program by three.”

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the first paragraph to read as follows:

Department of Mathematics and Statistics (cont'd)

“Placement in first-year mathematics courses at the St. John’s Campus and online is based upon a student’s pre-requisite level of proficiency in mathematics as demonstrated in a manner that is acceptable to the Department of Mathematics and Statistics. This may be through credit and grades earned in recognized high school or undergraduate mathematics courses or scores earned in the University’s Mathematics Placement Test (MPT) or recognized standardized examinations such as International Baccalaureate (IB), Advanced Placement (AP), or the College Board’s Subject Area Test in Mathematics Level I (SATM1) examinations. ~~Where a pre-requisite has not been met through one of these means, a student will be required to complete the University’s Mathematics Placement Test (MPT) as a pre-requisite for registration in a first-year mathematics course. A student who is not eligible for placement in a credit course in mathematics will be required to successfully complete appropriate foundation courses in order to proceed with further mathematics studies as indicated by the mathematics course pre-requisites.”~~

Page 533, 2016-2017 Calendar, under the heading 10.8.1 Foundation Courses, amend the calendar entry as follows:

~~“10.8.1 Foundation Courses~~

~~102F Mathematics Skills Program~~ is a non-credit course intended for students who either have a weak background in mathematics or are returning to the subject after some years. The course enables students to master mathematical operations such as those involving whole numbers, fractions, decimals, percents, integers, exponents, linear equations and algebraic expressions.

~~CH: 0~~

~~LH: 2~~

~~102N Mathematics Skills Program for the B.N. (Collaborative) Program~~ is a non-credit course intended for students of the B.N. (Collaborative) Program who have a weak background in mathematics and/or have not done mathematics in some years. The course enables students to master mathematical operations such as those involving whole numbers, fractions, decimals, percents, units of measurement, ratios and proportions.

~~CH: 0~~

~~LH: 2~~

~~103F Mathematics Skills Program~~ is non-credit course intended for students who either have a weak background in mathematics or are returning to the subject after some years. The course enables students to master mathematical operations such as those involving rational expressions and equations, units of measurement, ratios and

Department of Mathematics and Statistics (cont'd)

~~proportions, formulas, graphs of linear equations, systems of linear equations, basic geometry and trigonometry and number systems.~~

~~CH: 0~~

~~LH: 2~~

~~PR: Mathematics 102F~~

~~**104F Mathematics Skills Program** is a non-credit course intended for those students who either have a weak background in mathematics or are returning to the subject after some years. The course enables students to master mathematical operations such as those involving number systems, algebraic and rational expressions, linear and rational equations, formulas, exponents, radicals, quadratic equations and logarithms.~~

~~CH: 0~~

~~LH: 2~~

~~PR: Mathematics 103F"~~

Page 534, 2016-2017 Calendar, under the heading 10.8.2 Accelerated M103F/M1051 Mathematics Skills Program/Finite Mathematics II, amend the calendar entry as follows:

~~**"10.8.2 Accelerated M103F/M1051 Mathematics Skills Program/Finite Mathematics II**~~

~~**103F Mathematics Skills Program/Finite Mathematics II** is a non-credit course enabling students to master mathematics operations such as those involving algebraic and rational expressions, formulas, graphs, systems of linear equations, basic trigonometry and number systems. Mathematics 1051 is a credit course with topics including elementary matrices, linear programming, elementary number theory, mathematical systems and geometry.~~

~~CH: 0~~

~~CO: Mathematics 102F and a recommendation by an MLC instructor resulting in approval by the MLC Director~~

~~LH: three 50 minute classes and two 75 minute classes per week~~

~~PR: Mathematics 102F and a recommendation by an MLC instructor resulting in approval by the MLC Director"~~

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry for Mathematics 1000 as follows:

~~"PR: MATH 1090 or 109B or a combination of placement test and high school Mathematics scores acceptable to the Department~~

~~UL: at most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, the former 1080, the former 1081, 1090, 109A/B, the former 1150 and 1151"~~

Department of Mathematics and Statistics (cont'd)

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry for Mathematics 1050 as follows:

“PR: a combination of placement test and high school mathematics scores acceptable to the department or the former MATH 103F

UL: At most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, the former 1080, the former 1081, 1090, 109A/B, the former 1150 and 1151. With the exception of those already admitted at the time of registration in this course to a Bachelor of Education program that requires this course, students who already have obtained credit for 6 or more Mathematics and/or Statistics credit hours numbered 2000 or above should not register for this course and they will not receive credit for it.”

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry for Mathematics 1051 as follows:

“PR: a combination of placement test and high school mathematics scores acceptable to the department or the former MATH 103F

UL: At most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, the former 1080, the former 1081, 1090, 109A/B, the former 1150 and 1151. With the exception of those already admitted at the time of registration in this course to a Bachelor of Education program that requires this course, students who already have obtained credit for 6 or more Mathematics and/or Statistics credit hours numbered 2000 or above should not register for this course and they will not receive credit for it.”

Page 534, 2016-2017 Calendar, under the heading 10.8.3 Mathematics Courses, amend the calendar entry for Mathematics 1090 as follows:

“CR: if previously completed or currently registered for MATH 1000, 1001, 109A/B, the former 1080, or the former 1081

PR: a combination of placement test and high school Mathematics scores acceptable to the Department or the former MATH 104F

UL: at most 9 credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: Mathematics 1000, 1031, 1050, 1051, the former 1080, the former 1081, 1090, 109A/B, the former 1150 and 1151”

Page 536, 2016-2017 Calendar, under the heading 10.8.4 Statistics Courses, amend the calendar entry for Statistics 1510 as follows:

“PR: Mathematics 1090 or 109B or a combination of placement test and high school Mathematics scores acceptable to the Department.”

Department of Mathematics and Statistics (cont'd)

Page 538, 2016-2017 Calendar, under the heading 10.10 Physics and Physical Oceanography, amend the calendar entry for Physics 1020 to read as follows:

“CO: Mathematics 1090 or 109B

PR: Level III Advanced Mathematics or Mathematics 1090 or 109B. It is recommended that students have completed at least one of level II and level III high school physics courses”

Page 538, 2016-2017 Calendar, under the heading 10.10 Physics and Physical Oceanography, amend the calendar entry for Physics 1021 to read as follows:

“PR: Science 1807; PHYS 1020 or 1050 and Mathematics 1090 or 109B or 1000”

Page 541, 2016-2017 Calendar, under the heading 10.11.2 Majors Courses, amend the calendar entry for Psychology 2910 as follows:

“PR: PSYC 1000 and 1001; Mathematics 1000 or two of 1090, 109B, 1050 and 1051 (or equivalent) and admission to a Major in Psychology or Behavioural Neuroscience”

60.13 Department of Ocean Sciences

Page 537, 2016-2017 Calendar, under the heading 10.9 Ocean Sciences, amend the calendar entry as follows:

“2000 Introductory Biological Oceanography provides a general understanding of the biological processes that occur in coastal and oceanic environments. It introduces students to the major groups of bacteria, phytoplankton, invertebrates and fish, emphasizing the biotic and abiotic factors controlling primary production and marine biomass. It shows how the physical, chemical, and geological environments interact with biology to define processes and patterns affecting nutrients and life in marine ecosystems.

CR: Biology 3710

PR: OCSC 1000 and a 1000-level course in one of Biology, Chemistry, Earth Sciences or Physics.”

Page 505, 2016-2017 Calendar, under the heading 9.9.2 Minor in Sustainable Aquaculture and Fisheries Ecology, amend the calendar entry as follows:

Department of Ocean Sciences (cont'd)

“9.9.2 Minor in Sustainable Aquaculture and Fisheries Ecology

Students who take a minor in Sustainable Aquaculture and Fisheries Ecology will complete 24 credit hours as follows:

1. Ocean Sciences 1000, 2001, 3000, 3002;
2. Biology 4750 or Geography 4300;
3. One of Ocean Sciences 2000 (or Biology 3710), 3620, 3640, 4000, 4100, 4122, 4601;
4. One of Biology 2122, 3401, 3640, 3715, 4251, 4605; and
5. One of Biochemistry 2600, 3107, 3402, 4002, 4101, 4104, 4105, 4200, 4201.

Course prerequisites stipulated in the **Course Descriptions** shall apply to a minor in Sustainable Aquaculture and Fisheries Ecology.”

60.14 Department of Physics and Physical Oceanography

Page 538, 2016-2017 Calendar, under the heading 10.10 Physics and Physical Oceanography, amend the calendar entry as follows:

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

~~LC: 5~~

LH: ~~52~~

PR: Computer Science 1510, or 1001, or Engineering 1020 (or other computer programming course as approved by the instructor), PHYS 2820, Mathematics 2260 (or the former Mathematics 3260), and Mathematics 3202”

60.15 Department of English

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

~~“2213 The Twentieth-Century American Novel~~ is a study of representative American novels of the twentieth century, including such authors as James, Dreiser, Fitzgerald, Hemingway, Faulkner, Hurston, Morrison, Pynchon, DeLillo and Silko.

~~CR: the former ENGL 2201~~

Department of English (cont'd)

~~**2214 Nineteenth-Century American Fiction** is a study of representative American fiction of the nineteenth century including works by such authors as Poe, Hawthorne, Melville, Stowe, Twain and Chopin.~~

~~CR: the former ENGL 2215~~

~~PR: successful completion of two second-year English courses~~

~~**4251 American Literature to 1880** is a course on representative fiction, prose and poetry, including works by such authors as Edwards, Cooper, Hawthorne, Melville, Thoreau, Emerson, Poe, Whitman and Dickinson.~~

~~PR: successful completion of two third-year English courses~~

~~**4260 American Literature from 1880 to 1928** traces the development of American literature from the closing of the frontier to the beginning of the Depression through the study of such writers as Adams, James, Crane, Dreiser, Cather, Robinson and Frost.~~

~~CR: credit may be obtained for only three of ENGL 3215, 4260, 4261, and 4270~~

~~PR: successful completion of two third-year English courses~~

~~**4261 American Literature from 1928 to 1945** concentrates on the study of American fiction, drama and poetry in the period between the two World Wars. The course includes such writers as Hemingway, Faulkner, Fitzgerald, O'Neill, Stevens, Cummings and Hart Crane.~~

~~CR: credit may be obtained for only three of ENGL 3215, 4260, 4261, and 4270~~

~~PR: successful completion of two third-year English courses~~

~~**4270 American Literature Since 1945** is a study of representative writers of the period, such as Stevens, Lowell, Wilbur, Plath, McCullers, Bellow, Malamud.~~

~~CR: credit may be obtained for only three of ENGL 3215, 4260, 4261, and 4270~~

~~PR: successful completion of two third-year English courses"~~

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

"3260 American Drama is a study of ~~works~~ plays by dramatists from a range of periods, organized by theme.

CR: ENGL 4308

PR: 3 credit hours in English at the 2000 level"

Page 309, 2016-2017 Calendar, under the heading 11.6.1.3 Courses That Fulfill National or Period Requirements in English Programs, amend calendar entry as follows:

Department of English (cont'd)

“1. Courses can only ever count for 3 credit hours. For example, although English ~~4260~~ 4271 can satisfy both the American requirement and a 4000-level requirement, students in an Honours, Joint Honours, or Major in English program, will have to complete another course to satisfy the total number of credit hours required by the program.”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“2216 American Literature from 1776 to 1865 is a survey of American fiction, non-fiction, drama, and poetry from the Revolution to the Civil War era.

CR: the former ENGL 2214; ENGL 2215

PR: 6 credit hours in English at the 1000 level

Abbreviated Course Title: American Lit 1776 to 1865

2215 American Literature to 1900 is a study of the historical origins and development of nineteenth century American Literature, concentrating on a selection of works within their political, social and artistic contexts.

CR: English 2214, 2216

PR: English 1000 and one of English 1001, 1110

2217 American Literature from 1865 to 1945 is a survey of American fiction, non-fiction, drama, and poetry from the Civil War era to the end of the Second World War.

CR: the former ENGL 2214; the former ENGL 2213; ENGL 3215

PR: 6 credit hours in English at the 1000 level

Abbreviated Course Title: American Lit 1865 to 1945

3215 20th Century American Literature is study of American poetry and fiction from 1900 to 1960.

CR: English 2217, the former English 4260, the former English 4261, the former English 4270

PR: successful completion of at least 6 credit hours in English courses at the second-year level

2218 American Literature since 1945 is a survey of American fiction, non-fiction, drama, and poetry from the end of the Second World War until the present.

CR: the former ENGL 2213; ENGL 3215

PR: 6 credit hours in English at the 1000 level

Abbreviated Course Title: American Lit since 1945

Department of English (cont'd)

3215 20th Century American Literature is study of American poetry and fiction from 1900 to 1960.

CR: English 2217, English 2218, the former English 4260, the former English 4261, the former English 4270

PR: successful completion of at least 6 credit hours in English courses at the second-year level

3261 American Prose Fiction is a study of novels and/or short fiction from various periods in American history, organized by theme.

PR: 3 credit hours in English at the 2000 level

Abbreviated Course Title: American Fiction

3262 American Poetry is a study of poetry and verse from various periods in American history, organized by theme.

PR: 3 credit hours in English at the 2000 level

3263 American Cultural Traditions focuses on the literature produced within a particular political or cultural community in the United States, such as African-American, Hispanic, Asian, Indigenous, feminist, LGBTQ, proletarian, and/or socialist.

PR: 3 credit hours in English at the 2000 level

Abbreviated Course Title: American Cultural Trad

4271 Topics in Early American Literature and Culture is an advanced seminar in early American literature focused on a key issue, concept, literary movement, or author.

CR: the former ENGL 4251; the former ENGL 4260

PR: 3 credit hours in English at the 3000 level

Abbreviated Course Title: Early American Lit

4272 Topics in Contemporary American Literature and Culture is an advanced seminar in contemporary American literature focused on a key issue, concept, literary movement, or author.

CR: the former ENGL 4261; the former ENGL 4270

PR: 3 credit hours in English at the 3000 level

Abbreviated Course Title: Contemporary American Lit

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the following two English courses by changing them to Communications Studies courses and moving the courses under the heading 12.7.1 Communications Studies as follows:

“**English CMST 3816: Television** (same as the former English 3816) is an introduction to the principles of acting for the camera through lecture, discussion and studio work.

Department of English (cont'd)

CR: English 3816

PR: English 3350 and 3351. Admission priority will be given first to students in the Diploma in Performance and Communications Media and then to students in the Communication Studies Major.

Abbreviated Course Title: Television

English CMST 4402: Producing the Documentary is a full semester working on a selected project, to culminate in the creation of a completed video. Students, working in groups established by the Diploma in Performance and Communications Program Coordinator, will be required to participate in all aspects of production.

CR: the former English 4402

PR: English 3350, 3351, and CMST 3816. Admission priority will be given first to students in the Diploma in Performance and Communications Media and then to students in the Communication Studies Major.

Abbreviated Course Title: Documentary”

Page 312, 2016-2017 Calendar, under the heading Table 2 Other Faculty of Humanities and Social Sciences Courses Approved for the Major in Communication Studies, amend the table as follows:

**Table 2 Other Faculty of Humanities and Social Sciences Courses
Approved for the Major in Communication Studies**

1000 and 2000 Level Courses	3000 Level Courses	4000 Level Courses
<ul style="list-style-type: none"> • Anthropology 2413, 2416 • English 2010, 2700 • Geography 2001, 2195 • Gender Studies 2005 • Linguistics 2300 or Philosophy 2300 • Philosophy 2571 • Religious Studies 2812, 2830 	<ul style="list-style-type: none"> • Archaeology 3001 or Folklore 3001 or Medieval Studies 3001 or History 3020 • Archaeology 3710 or Folklore 3700 • Archaeology 3850 or Folklore 3850 • <u>Communication Studies 3816</u> • English 3350, 3351, 3816, 3843, 3912 • English 3460 or Folklore 3460 • Folklore 3360, 3612, 3930 • Gender Studies 3005 • the former Linguistics 3212 • Religious Studies 3812, 3820 • Sociology 3140, 3731 	<ul style="list-style-type: none"> • Anthropology 4417 • <u>CMST 4402</u> • English 4400, 4843 • Folklore 4100 or History 4100 • Folklore 4440 • History 4216 • Political Science 4360

Page 290, 2016-2017 Calendar, under the heading 7.9.2 Program of Study, amend the calendar entry as follows:

“7.9.2 Program of Study

1. Students must complete a minimum 18 credit hours of course work in the following required courses with an overall average in these courses of at least 65%: English Communication Studies 3816 (or the

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former English 3816), and English Communication Studies 4402 (or the former English 4402), - English 3350, English 3351, English 4400, and English 4401, .

2. Students must also complete 6 credit hours in English 5000 - Instructional Field Placement. Admission to this instructional field placement course is by application to the Program Coordinator, normally at least three months before the beginning of the placement, and is limited to students who at the time of admission have completed the six courses listed above with an overall average of at least 65% and who already hold a first degree or are in their final year of a degree program as confirmed by the Office of the Registrar.”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry to read as follows:

“**3265: Hardboiled Fiction** investigates the rich literary history of hardboiled fiction through representative texts and critically explores how hardboiled aesthetic practices continue to be nuanced in relation to changing socioeconomic contexts.

PR: 3 credit hours in English at the 2000-level

Abbreviated Course Title: Hardboiled Fiction

3265–3266–3275 Special Topics in American Literature will have topics to be studied announced by the Department

3811 Reading The Lord of the Rings considers the various ways the text has been read: as escapist fantasy, as a moral guide, as a political treatise, as a religious tract, as ecological doctrine.

PR: 3 credit hours in English at the 2000-level

Abbreviated Course Title: The Lord of the Rings

~~**3811**~~ **3812–3829 3830** ~~**(Excluding 3813, 3816, 3817, 3819, 3820)**~~
Special Topics will have topics studied to be announced by the Department.

PR: successful completion of 3 credit hours in English at the 2000-level

English 3820: Poetry of Newfoundland and Labrador focuses on the poetry of Newfoundland and Labrador. While the work of early writers will be considered, the emphasis is on the poetry of the twentieth century and of our own century.

PR: 3 credit hours in English at the 2000 level

Abbreviated Course Title: Poetry of NL

3811–3830 (Excluding 3813, 3816, 3817, 3819, 3820, and 3830)
Special Topics will have topics to be studied announced by the

Department of English (cont'd)

Department.

PR: ~~successful completion of two second-year English courses~~ 3 credit hours in English at the 2000 level

Page 295, 2016-2017 Calendar, under the heading 8.8.3 Regulations for the Certificate in Newfoundland and Labrador Studies, amend Table 1: Courses Approved for the Certificate in Newfoundland and Labrador Studies as follows: (as approved by Senate at the September 13, 2016 meeting)

“Table 1: Courses Approved for the Certificate in Newfoundland and Labrador Studies

1000-level and 2000-level courses	3000-level courses or above
Economics 2070 Folklore 1005, 2300 Folklore/Sociology 2230 Geography 2495 Linguistics 2025, 2026, 2210	Archaeology 3290 Economics 3070 English 3155, <u>3820</u> History 3110, 3120, 3813 History/Law and Society 3200 Law and Society 3014 Political Science 3880 Religious Studies 3900, 3901 Additional courses listed in 8.5.4

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry to read as follows:

“**3848: The Western** introduces one of the world’s most iconic and instantly recognizable genres. This course explores the fictional frontiers of the Wild West through classics and variants of the genre, showcasing examples that both establish and question myths of the West. In situating the texts alongside historical developments and changing attitudes, the course also situates them regionally along East-West/North-South axes, considering too the West’s position in Western literature.

PR: 3 credit hours in English at the 2000-level

3840-3870 (Excluding 3844, 3848) Special Topics will have topics to be studied announced by the Department.

PR: successful completion of 3 credit hours in English at the 2000-level

4819: Imagining Islands examines how island spaces are conceived in both historical and contemporary literary texts. Figured as utopias and dystopias, paradises and penitentiaries, islands have long proved a rich and malleable imaginative terrain for creative writers.

PR: 3 credit hours in English at the 3000-level

Abbreviated Course Title: Imagining Islands

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~~4810-4819~~ 4818 (Excluding 4817) Special Topics will have topics to be studied announced by the Department.

PR: ~~successful completion of two third-year English courses successful completion of 3 credit hours in English at the 3000-level~~

Page 309, 2016-2017 Calendar, under the heading 11.6.1.2 Course Prerequisites, amend the calendar entry as follows:

“11.6.1.2 Course Prerequisites

The following ~~course~~ prerequisites apply to all English courses and programs:

1. All students must complete ~~two~~ 6 credit hours in English at the 1000 level ~~courses~~ as follows: one of English ~~1080~~ 1090 or 1000, and one of English 1001, ~~1101, 1102, 1103~~, 1110, 1191, 1192, 1193.
2. In the case of students whose first language is not English and who take 1020 or 1030, that course and one of English 1000, 1001, 1021, ~~1080, 1101, 1102, 1103~~ 1090, 1191, 1192, 1193 are prerequisites for all other courses.
3. Normally no student shall register for any a course having the initial digit “3” English course at the 3000 level unless he/she the student has already completed at least 6 3 credit hours in English courses having the initial digit “2” at the 2000 level.
4. Normally no student shall register in any course having the initial digit “4” English course at the 4000 level unless he/she the student has successfully already completed at least 6 3 credit hours in English courses having the initial digit “3” at the 3000 level.”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“12.7 English

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 Head of the Department.

Lists of texts and readings for courses may be obtained from the Secretary of the Department of English. Courses for which there is insufficient demand will not be given.

Department of English (cont'd)

1. ENGL 1000 and ~~1080~~ 1090 are courses for students who have attained a standard in Level III English acceptable to the Department.
2. ENGL 1001, ~~1101, 1102, 1103~~, 1110, 1191, 1192, 1193 are courses which may be taken by students who have successfully completed 1000 or ~~1080~~ 1090.
3. ENGL 1000, 1001, ~~1080, 1101, 1102, 1103~~ 1090, 1191, 1192, 1193 are courses which may be taken by students who have successfully completed 1020 or 1030.
4. Students cannot receive credit for more than one of ENGL 1000; ~~1080~~ or 1090, or for more than one of 1001, ~~1101, 1102, 1103~~, 1191, 1192, 1193, 1110.

English courses are designated by ENGL.”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“1020 Writing for Second Language Students I is an introduction to the use of English with emphasis on composition for non-native English-speaking students. This course is for students whose first language is not English and who have passed 102F or have attained a standard acceptable to the Department on the English Placement Test. Students who have passed ENGL 1020 may take as their second English course one of ENGL 1021, ~~1080, 1101, 1102, or 1103~~ 1090, 1191, 1192, or 1193. Students completing this course may elect to use it with ENGL 1021 to fulfill the Bachelor of Arts [Language Study Requirement](#).

CR: English 1030, ENGL 1110. Students may not receive credit for more than 6 credit hours in ~~first-year courses in~~ English courses at the 1000 level (this includes unspecified ~~first-year~~ 1000-level English transfer credits), except ENGL 1020 and 1021 if they are used to fulfill the Bachelor of Arts [Language Study Requirement](#).

PR: Admission to this course will be determined on the basis of the departmental English Placement Test or successful completion of ENGL 102F.

1021 Writing for Second Language Students II develops skills in critical reading and writing of academic English, with emphasis on research and writing syntheses from sources, for non-native English-speaking students. Students completing this course may elect to use it with ENGL 1020 to fulfill the Bachelor of Arts [Language Study Requirement](#).

CR: Students may not receive credit for more than 6 credit hours in ~~first-year courses in~~ English courses at the 1000 level (this includes unspecified ~~first-year~~ 1000-level English transfer credits), except

Department of English (cont'd)

ENGL 1020 and 1021 if they are used to fulfill the Bachelor of Arts Language Study Requirement.

PR: ENGL 1020

1110 Critical Reading and Writing in Rhetoric is an examination of prose texts such as essays, articles and reviews. Students write for different purposes and audiences. Emphasis is placed on critical reading and writing: analyzing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw and build on foundational CRW content delivered in ENGL ~~1080~~ 1090.

CR: ENGL 1020, ENGL 1030. Students may not receive credit for more than 6 credit hours in ~~first-year courses in~~ English courses at the 1000 level (this includes unspecified ~~first-year~~ 1000-level English transfer credits).

PR: ENGL 1000, 1090, or the former 1080

2000 Major Writers to 1800 is an introduction to the work of major authors by detailed study of selected texts. There is an emphasis on the various skills of essay writing.

CR: ENGL 2005

PR: 6 credit hours in English at the 1000 level

2001 Major Writers from 1800 is an introduction to the work of major authors by detailed study of selected texts. There is an emphasis on the various skills of essay writing.

CR: ENGL 2007

PR: 6 credit hours in English at the 1000 level

2002 Drama is a survey of drama from the Greeks to the present day.

CR: ENGL 2350, 2351

PR: 6 credit hours in English at the 1000 level

2003 Poetry is a study of poetry, which aims to increase the students critical understanding and appreciation of poetry, conducted through an examination of a wide variety of kinds and techniques.

PR: 6 credit hours in English at the 1000 level

2004 Short Fiction is a study of short fiction which aims to give the students an appreciation of the short story as a literary form. The course will deal with the nature, history and development of short fiction by considering a variety of authors and stories.

PR: 6 credit hours in English at the 1000 level

Department of English (cont'd)

2010 Introduction to Professional Writing requires students to analyze published essays for their aims, strategies, and discourses. Students practice writing as a process of discovery in the context of a learning community: for instance identifying questions to explore, free-writing, finding a focus, drafting, peer-editing, revising, editing. Each student produces a portfolio of revised, edited work.

PR: 6 credit hours in English at the 1000 level

2013 Twentieth Century Musicals (same as Music 2013) is a survey of twentieth-century musical theatre. Selected works, presenting different styles and periods, will be examined in detail. There will be a strong, required listening/viewing component to this course. The ability to read music is not required.

CR: Music 2013 and Music 3007

UL: cannot be taken for credit by students enrolled in the Bachelor of Music program

PR: 6 credit hours in English at the 1000 level

2122 Introduction to World Literature in English introduces students to the significant body of contemporary literature written in English that stands outside the dominant British/North American canon. Authors addressed include writers of global significance such as Achebe, Rushdie, Coetzee, Walcott, Kincaid and Desai.

PR: 6 credit hours in English at the 1000 level

2150 Modern Canadian Fiction is a study of representative Canadian fiction since 1930, including such authors as Ross, Buckler, Davies, Laurence, Atwood, Ondaatje and Findley.

PR: 6 credit hours in English at the 1000 level

2151 New Canadian Fiction is a study of fiction of Canadian writers since the 1970s.

PR: 6 credit hours in English at the 1000 level

2160 North American Aboriginal Literature will introduce Aboriginal literature in a social, political and historical context. Beginning with the oral tradition (songs, narratives, legends, and orations), it will focus on different works by North American Aboriginal writers: poetry, drama, short stories and novels.

PR: 6 credit hours in English at the 1000 level

2211 The English Novel from 1800-1900 is a survey of representative texts from 1800-1900.

CR: the former ENGL 2200

PR: 6 credit hours in English at the 1000 level

Department of English (cont'd)

2212 The Twentieth-Century British Novel is a survey of representative texts from 1900-2000.

CR: the former ENGL 2201

PR: 6 credit hours in English at the 1000 level

2390 Introduction to Modern English Structures is a practical introduction to the descriptive study of the English language with emphasis on syntax.

PR: 6 credit hours in English at the 1000 level

2600 Introduction to Middle English is a study of the language and literature of the later medieval period, excluding Chaucer.

PR: 6 credit hours in English at the 1000 level

2811 Science Fiction and Fantasy introduces the literary sub-genres of science fiction and fantasy. It examines the traditional canonical backgrounds from which popular literatures derive, studies the formulaic patterns and explores the place of science fiction and fantasy in popular culture.

PR: 6 credit hours in English at the 1000 level

2812-2820 (Excluding 2813 and 2815) Special Topics will have topics to be studied announced by the Department.

PR: 6 credit hours in English at the 1000 level

2813 Reading Images introduces students to the field of visual culture and familiarizes them with both the vocabulary and the methodologies to examine images critically.

PR: 6 credit hours in English at the 1000 level

2815 Introduction to Literary Theory and Criticism is an introduction to the study of contemporary theory and criticism with an emphasis on its application in the reading of literary texts.

PR: 6 credit hours in English at the 1000 level

2850 What is Film is designed to introduce students to the medium of film. It is aimed at marking a shift from the natural enjoyment of movies to a critical understanding and to modes of film practice. Focus will be on the elements of film as components of cinematic style and meaning and on various approaches to the study of film.

PR: 6 credit hours in English at the 1000 level

2851 Introduction to Film Form and Film Theory is concerned with developing visual literacy skills, while also providing terminology and theory necessary to critically engage film. Special attention is paid to film form, historical/social contexts for the production and reception of visual images, and the roles that progressive reproduction technologies,

Department of English (cont'd)

spectatorship, and seeing play in understanding our contemporary world through and beyond visual culture.

PR: 6 credit hours in English at the 1000 level

3001 Satire is a study of satire from classical times, examining major forms of satiric expression such as the monologue, the parody and the long narrative.

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3002 Medieval Books (same as Medieval Studies 3000, History 3000, Religious Studies 3000) is an examination of the development and role of the manuscript book during the Middle Ages. Topics covered will include book production and dissemination; authors, scribes and audiences; and various kinds of books (e.g. glossed Bibles, anthologies, books of hours, etc.) and their uses.

CR: Medieval Studies 3000, History 3000, Religious Studies 3000

PR: 3 credit hours in English at the 2000 level

3006 Women Writers of the Middle Ages (same as Medieval Studies 3006 and Gender Studies 3001) will study selections from the considerable corpus of women's writings in the Medieval period, as well as issues which affected women's writing. All selections will be read in English translation.

CR: Medieval Studies 3006 and Gender Studies 3001

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3021 Medieval and Tudor Drama is a study of the development of pre-Shakespearean drama, including representative cycle plays, morality plays, moral interludes, comedies, tragedies, folk plays, and royal entries.

PR: 3 credit hours in English at the 2000 level

3022 English Renaissance Drama is a study of the development of English drama (excluding Shakespeare) from 1580 to 1642.

CR: ENGL 4317

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3100 The Poem Close Up explores in detail a wide range of poetry, using one or more of a variety of methods, contemporary and traditional, designed to lead an understanding of the thematic and technical of individual poems.

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

Department of English (cont'd)

3130 The English Novel to 1800 is a study of eighteenth-century English novels by such authors as Burney, Defoe, Fielding, Manley, Richardson, Sterne and Smollett.

CR: the former ENGL 2210

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3152 Canadian Literature to 1918 is a study of the development of Canadian literature from its beginnings to the end of World War I.

CR: ENGL 3145, 3147, or the former 3150

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

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

CR: ENGL 2155

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3156 Modern Canadian Drama ~~Drama~~ is a study of a number of representative plays which illustrate the development of modern drama and theatre in Canada.

CR: ENGL 4307

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3157 Canadian Literature 1945-1970 is a study of the development of Canadian literature from 1945 to 1970.

CR: ENGL 3148, the former ENGL 3146, the former ENGL 3151, the former ENGL 3154

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3158 Canadian Literature 1970 to the Present is a study of recent developments in Canadian literature.

CR: ENGL 3148, the former ENGL 3146, the former ENGL 3151, the former ENGL 3154

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3160 Empire and After: Introduction to Post-Colonial Writing offers a broad overview of post-colonial studies in English. The course provides an introduction to key ideas in the field and a study of representative texts.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

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3161 Australian Literature focuses on contemporary writing by established Australian authors. It pays particular attention to the after effects of colonialism and the formulation of national identities.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3172 Irish Poetry focuses on major Irish poets, mainly of the twentieth century.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3175 Irish Literature focuses on major Irish writers in at least two genres.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3190 Scottish Literature is a study of representative Scottish poetry and prose from the eighteenth to the twenty-first century including selected works by such writers as Boswell, Burns, Hogg, Scott, Stevenson, Spark, and Rankin.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3200 Shakespeare is a study of tragedies and romances such as *Romeo and Juliet*, *Julius Caesar*, *Hamlet*, *Othello*, *King Lear*, *Antony and Cleopatra*, *Macbeth*, *Pericles*, *The Winter's Tale*, *The Tempest*.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3201 Shakespeare is a study of comedies and histories such as *Love's Labour's Lost*, *The Taming of the Shrew*, *A Midsummer Night's Dream*, *The Merchant of Venice*, *Much Ado About Nothing*, *As You Like It*, *Twelfth Night*, *Measure for Measure*, *1 Henry IV*, *2 Henry IV*, *Henry V*.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3260 American Drama is a study of plays by dramatists from a range of periods, organized by theme.

CR: ENGL 4308

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3265-3275 Special Topics in American Literature will have topics to be studied announced by the Department.

PR: 3 credit hours in English at the 2000 level

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3350 Theatre is an introduction to principles of directing and acting, through lectures, discussion and stage production.

OR: 3 hours of workshops

~~PR: successful completion of two second-year English courses~~

3351 The Physical Stage and Video Technique is an introduction to the fundamentals and vocabulary of design, lighting and stagecraft and film/ video craft, including sound, properties, etc.

OR: three hours of workshops

~~PR: successful completion of two second-year English courses~~

3460 Folklore and Literature (same as Folklore 3460) examines the interrelationships among folklore forms and literary genres, the influence of oral traditions on written literatures, and consider the theoretical issues raised by these interrelationships. The primary emphasis is on the interpretation of literature from the perspective of folk tradition.

CR: Folklore 3460, the former ENGL 4450, and the former Folklore 4450

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

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 second-year English courses.~~ 3 credit hours in English at the 2000 level, or enrollment in the [Certificate in Ancient Languages](#)

3600 Chaucer is a study of representative poems.

PR: 3 credit hours in English at the 2000 level

3710-3729 Special Topics in English is available only as part of the Harlow Campus Semester.

PR: permission of the instructor

3811-3830 (Excluding 3813, 3816, 3817, 3819 and 3830) Special Topics will have topics to be studied announced by the Department.

~~PR: successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3817 Writing and Gender II draws on a variety of writing to examine questions related to the study of gender. Possible topics may include the

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changing constructions of gender and the intersections of gender with race, class, nationality and sexuality.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3819 The Gothic offers an introduction to the Gothic mode in a selection of texts from the eighteenth century to the present. Topics covered may include the Gothic's recurrent themes of sin, sex, violence, and religion; its subversive response to dominant cultures and historical contexts; and its philosophical roots in sensibility, horror, and the sublime.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3830 Women Writers is a course setting women writers in the context of literary history.

CR: ENGL 2805, 3810

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3840-3870 (Excluding 3843 and 3844) Special Topics will have topics to be studied announced by the Department.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3843 Introduction to Comics will familiarize students with the study of comics. This course will examine a large selection of comics and current theoretical debates surrounding the relation between word and image, in general, and the workings of graphic narrative, in particular.

CR: ENGL 2244

PR: 3 credit hours in English at the 2000 level

3844 Science Fiction - The Golden Age and Beyond will examine the development of science fiction from its beginnings to the present day. It will consider some of the major authors, theories, forms and concerns that have been the focus of the genre.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 2000 level

3900 Introduction to Creative Writing: Fiction is conducted as a seminar using models of contemporary writing and the students' own work. Each student will be required to submit work regularly.

CR: credit may be obtained for only two of ENGL 3900, 3901, and 3905

PR: Normally, ~~admission to this course will be based on the instructor's evaluation of the student's writing~~ submission of a portfolio specified

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by the instructor and permission of the instructor. Class size will be limited.

3901 Introduction to Creative Writing: Poetry is conducted as a seminar using models of contemporary writing and the students' own work. Each student will be required to submit work regularly.

CR: credit may be obtained for only two of ENGL 3900, 3901, and 3905

PR: Normally, ~~admission to this course will be based on the instructor's evaluation of the student's writing~~ submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

3902 Introduction to Creative Writing: Playwrighting is conducted as a seminar using models of contemporary dramatic writing and the students' own work. Each student will be required to submit work regularly.

CR: the former ENGL 3842

PR: Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited. ~~the regular prerequisites for 3000-level offerings, plus submission of a portfolio specified by the instructor and permission of the instructor~~

3903 Introduction to Creative Writing: Nonfiction is conducted as a seminar using models of contemporary writing and the students' own work. Each student will be required to submit work regularly.

PR: Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited. ~~the regular prerequisites for 3000-level offerings, plus submission of a portfolio specified by the instructor and permission of the instructor~~

3910 Investigative Writing will permit students to learn to draft and edit short investigative pieces; and they complete an article or essay, and an investigative project that attends to ethics guidelines, research, documentation, interviewing protocols, and writing and editing for a specific context. The course is conducted as a seminar using the students' own work. Each student will be required to submit work regularly. Some work may be done collaboratively.

~~Workshop~~

PR: Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

3911 Writing Satire uses models of contemporary satire as a basis for students' own work. Guest satirists will be invited to meet with students who will write satirical sketches, articles and/or plays based on their own experiences in response to current affairs and topical items of interest. Students will engage in at least one collaborative project.

Department of English (cont'd)

PR: Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

3912 Songwriting uses models from early ballads to contemporary hits and near-misses as a basis for students' own work. Guest songwriters will be invited to meet with students to discuss their compositions. Students will analyse song lyrics, write their own songs and collaborate on a major class project. The ability to sing or play a musical instrument or to read or write sheet music, while desirable, is not required.

3920 Reviewing permits students to analyse and practice reviewing of three kinds: (a) performance; (b) film, TV, video; c) books.

PR: 3 credit hours in English at the 2000 level

4000 English Literature and History of Ideas I is a study of European thought and culture as they affect the history and development of English literature from the Middle Ages to the eighteenth century.

~~PR: successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4001 English Literature and the History of Ideas II is a study of European thought and culture as they affect the history and development of English literature from the eighteenth century to the present.

~~PR: successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4010 Sixteenth-Century English Literature focuses on the prose and poetry of representative authors of the period and provides a critical overview of the literary, historical, social, political, and religious context.

~~PR: successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4030 Seventeenth-Century English Literature focuses on the prose and poetry of representative authors of the period and provides a critical overview of the literary, historical, social, political, and religious context.

~~PR: successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4040 Restoration and Early Eighteenth-Century British Literature is a study of selected works by such authors as Dryden, Swift, Pope, Fielding, and Lady Mary Wortley Montagu.

Department of English (cont'd)

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4041 Later Eighteenth-Century British Literature is a study of selected works by such authors as Boswell, Burney, Johnson, Smollett, and Sterne.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4050 British Romanticism I is a study of late eighteenth- and early nineteenth-century texts in their social, political, and cultural contexts, with particular focus on the first generation of Romantic writers.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4051 British Romanticism II is a study of late eighteenth- and early nineteenth-century texts in their social, political, and cultural contexts, with particular focus on the second generation of Romantic writers.

PR: 3 credit hours in English at the 3000 level

4060 Victorian Literature I is a study of selected works by such writers as Carlyle, Dickens, Tennyson, the Brownings, and the Brontës.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4061 Victorian Literature II is a study of selected works by such writers as Thackeray, Gaskell, George Eliot, Arnold, and the Rossettis.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4070 British Literature: Decadence and After is a study of late nineteenth- and early twentieth-century texts in their social, historical, and cultural contexts.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4071 British Modernisms is a study of representative texts from 1920-1945 in their social, historical, and cultural contexts.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4080 British Postmodern Literature and Beyond is a study of representative texts from World War II to the present in their social, historical, and cultural contexts.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

Department of English (cont'd)

4100 Critical Theory I is a survey of critical approaches to literature, from Plato to the end of the nineteenth century. Students are advised to take this course towards the end of their program.

PR: ~~successful completion of two second-year English courses.~~ 3 credit hours in English at the 3000 level

4101 Critical Theory II is a survey of critical approaches to literature in the twentieth century. Students are advised to take this course towards the end of their program.

CR: ENGL 4105

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4210 Shakespeare's English History Plays is an advanced course focusing on such plays as *King John*, *Richard II*, *1 Henry IV*, *2 Henry IV*, *Henry V*, *1 Henry VI*, *2 Henry VI*, *3 Henry VI*, *Richard III*, *Henry VIII*.

PR: ~~ENGL 3200 or 3204~~ 3 credit hours in English at the 3000 level

4211 Shakespeare's Roman and Greek Plays is an advanced course focusing on such plays as *Titus Andronicus*, *Julius Caesar*, *Antony and Cleopatra*, *Troilus and Cressida*, *Coriolanus*, *Timon of Athens*, *Cymbeline*.

PR: ~~ENGL 3200 or 3204~~ 3 credit hours in English at the 3000 level

4275-4285 Special Topics in American Literature will have topics to be studied announced by the Department.

PR: 3 credit hours in English at the 3000 level

4300 Modern Drama I examines representative plays from Ibsen to the present day, principally of the realist tradition.

CR: ENGL 3275

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4301 Modern Drama II examines representative twentieth-century plays from the traditions of expressionism, surrealism, and the theatre of the absurd.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4302 Contemporary British Drama is a study of representative dramatic works of contemporary British drama.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

Department of English (cont'd)

4400 Directing is the analysis, production plans and execution of selected projects.

PR: ENGL 3350 and 3351 or permission of the instructor. Admission priority will be given to students in the **Diploma in Performance and Communications Media**, in consultation with the Head of the Department

4401 Producing the Play is a full semester working with a selected play, to culminate in public performance. Students will be required to participate fully in all aspects of the production, except direction, which will be the responsibility of the instructor.

PR: ~~ENGL 3350 and 3351 or permission of the instructor, in consultation with the Head of the Department.~~ OR: Admission priority will be given to students in the **Diploma in Performance and Communications Media**

4421 English Dialectology II (same as Linguistics 4421) is field-work and transcription; modern linguistic geography; structuralist dialectology; occupational dialects; other recent approaches.

CR: Linguistics 4421

PR: ENGL 4420 and ~~successful completion of two third-year English courses~~ 3 credit hours in English at the 2000 level

4500 Advanced Old English Language and Literature is a detailed study of one or more major texts in Old English, depending on student interest.

PR: ENGL 3500 and ~~one other 3000-level English course~~ 3 additional credit hours in English at the 3000 level

4600 Chaucer and His Contemporaries is an in-depth study of some of the major writers of the fourteenth century.

PR: 3 credit hours in English at the 3000 level. ENGL 2600 or 3600 is recommended.

4601 Medieval Romance Literature is a study of representative texts of the medieval romance genre from the twelfth to the fifteenth century.

PR: 3 credit hours in English at the 3000 level

4605-4615 Special Topics in Medieval Language and Literature will have topics to be studied announced by the Department.

PR: 3 credit hours in English at the 3000 level

4810-4819 (Excluding 4817) Special Topics will have topics to be studied announced by the Department.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

Department of English (cont'd)

4817 Utopias and Dystopias in Literature is a study of representative literary utopias and dystopias, both classic and modern.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4821 Canadian Literature: Imagining Worlds is a study of some of the main concepts in Canadian culture up to World War II as they affect the history and development of Canadian Literature.

PR: 3 credit hours in English at the 3000 level

4822 Canadian Literature: Making it New is a study of some of the main concepts in Canadian culture since World War II as they affect the history and development of Canadian Literature.

PR: 3 credit hours in English at the 3000 level

4843 Graphic Memoir examines a broad spectrum of graphic memoirs taking into account theoretical developments in both comics studies and autobiographical studies.

CR: ENGL 3841

PR: ~~ENGL 2244 or ENGL 3843, or permission of the instructor.~~ 3 credit hours in English at the 3000 level

4850 Contemporary Canadian Poetry is a seminar course in contemporary Canadian poetry. Students will have the opportunity to study collections by six English Canadian contemporary poets - not just new work by established older writers, but also first collections by younger writers. The work of poets from across Canada will be chosen.

CR: ENGL 3148

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4851 Canadian Exploration Literature will examine Canada's early exploration and travel literature and show how it has shaped our contemporary fiction. Early texts may be studied from an anthology of exploration writings, such as Germaine Warkentin's *Canadian Exploration Literature: An Anthology*. Several contemporary novels will also be studied and may include Wayne Johnston's *The Navigator* of New York and John Steffler's *The Afterlife of George Cartwright*.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4852-4860 Special Topics in Canadian Literature will have topics to be studied announced by the Department.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

Department of English (cont'd)

4900 Book History and Print Culture I is an introduction to bibliographical and textual studies to 1800. Areas covered may include the book as a material object; the history of the book; manuscripts; the spread of printing; the hand-press period; editing of texts; the evolution of the library; origins of intellectual property; freedom of the press; aspects of literary detection, forgery and plagiarism.

PR: ~~successful completion of two third-year English courses.~~ 3 credit hours in English at the 3000 level

4901 Book History and Print Culture II is an introduction to bibliographical and textual studies from 1800 to the present day. Areas covered may include the book as a material object; the history of the book; machine-press period; industrialization of printing; globalization of the book trade; intellectual property and copyright; electronic book; digital literacy; digital literatures.

PR: 3 credit hours in English at the 3000 level

4910 Advanced Creative Writing: Fiction is a seminar for students who wish to write publishable literary fiction. Class size will be limited. Students will be expected to produce at least 15,000 words during the semester. Regular participation is also required.

PR: ~~completion of ENGL 3900 with a grade of 70 or higher and submission of a portfolio and permission of the instructor.~~ Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

4911 Advanced Creative Writing: Poetry uses models of contemporary writing and the students' own work. This course is designed to develop further the technical skill of those students who have reached a high level of achievement in the introductory creative writing course in poetry, English 3901 (or who have a body of work of exceptional accomplishment) and to help them move towards publication in literary journals and chapbooks.

PR: ~~normally, admission to this course will be based on the instructor's evaluation of the student's writing and on the achievement of a minimum grade of 70% in ENGL 3901 or ENGL 3900~~ Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

4913 Advanced Creative Writing: Nonfiction is conducted as a seminar using models of contemporary writing and the students' own work. Each student will be required to submit work regularly.

PR: ~~successful completion of at least one Creative Writing course at the 3000 level, plus submission of a portfolio specified by the instructor and permission of the instructor~~ Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

Department of English (cont'd)

4914 Advanced Editing is editing for the workplace: An intensive course in drafting and editing. Students will be expected to work both individually and collaboratively.

PR: ~~successful completion of at least two of the following: ENGL 3001, 3817, 3903 (or other course designated Creative Writing), 3910, 3920.~~ Normally, admission to this course will be based on the instructor's evaluation of the student's writing. Class size will be limited. 3 credit hours in English at the 3000 level

4920-4930 Special Topics in Creative Writing will have topics to be studied announced by the Department.

PR: ~~successful completion of two third-year English courses.~~ Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

4999 Essay for Honours Candidates is required as part of the Honours program.

5000 Instructional Field Placement is a 6 credit hour course which occurs upon completion of course work in the [Diploma in Performance and Communications Media](#). The curriculum emphasis is on the application of acquired skills. Continuing the project-oriented structure built into the practical courses, students will be placed with existing projects in the professional communities of film, television, theatre or video.

CH: 6

PR: ENGL 3350, 3351, 3816, 4400, 4401, 4402, with an overall average of 65% in these courses. Restricted to students in the [Diploma in Performance and Communications Media](#). Admission is by application to the Program Coordinator, normally at least three months before the beginning of the placement, and is limited to students who at the time of admission have completed the six courses listed above with an overall average of at least 65% and who already hold a first degree or are in their final year of a degree program as confirmed by the Office of the Registrar.

UL: can be used for credit only towards the [Diploma in Performance and Communications Media](#)"

Page 374, 2016-2017 Calendar, under the heading 12.20 Linguistics, amend the calendar entry as follows:

"Linguistics **4421 English Dialectology II** (same as English 4421) is field-work and transcription; modern linguistic geography; structuralist dialectology; occupational dialects; other recent approaches.

CR: English 4421

PR: LING 4420 and ~~successful completion of two third-year English courses~~ 3 credit hours in English at the 2000 level"

Department of English (cont'd)

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“3904 Writing Place is a creative writing workshop designed for writers interested in exploring the possibilities for engaging with place through writing creative non-fiction.

PR: Normally, submission of a portfolio specified by the instructor and permission of the instructor. Class size will be limited.

Abbreviated Course Title: Writing Place”

Page 287, 2016-2017 Calendar, under the heading 7.6.3 Program of Study, amend the calendar entry as follows:

“7.6.3 Program of Study

Students are required to complete a minimum of 24 credit hours of course work, including at least 15 credit hours from the following:

1. ENGL 3900, 3901, 3902, 3903, 3904, 4910, 4911, 4912, and 4913”

Page 310, 2016-2017 Calendar, under the heading 11.6.3.3 Minor in English, amend the calendar entry as follows:

“11.6.3.3 Minor in English

- ~~1. Students who choose to complete a Minor in English shall complete at least 24 credit hours in English.~~
- ~~2. A minimum of 9 credit hours must be taken at the 3000 level or above.~~
- ~~3. Requirements for the Minor may not be chosen from courses conducted by another department.~~
- ~~4. Courses for the Minor must include:~~
 - ~~1. 6 credit hours in courses at the first year level;~~
 - ~~2. one of English 2002, 2003, 2004, 2211, 2212, 2213, 2214, 2811;~~
 - ~~3. English 3200 or 3201;~~
 - ~~4. 3 credit hours in Canadian literature; and~~
 - ~~5. 9 credit hours in additional English courses.~~

1. Students who choose to complete a Minor in English shall complete a minimum of 27 credit hours in English courses, as follows:

1. 6 credit hours in English at the 1000 level;
2. English 2000; English 2001; one of English 2002, 2003, 2004;
3. A minimum of 6 credit hours at the 3000-level or above, including at least one of English 3200 or English 3201; and,
4. 6 credit hours in additional English courses, including at least 3 credit hours in Canadian literature (refer to Table 1).

Department of English (cont'd)

2. Requirements for the Minor may not be chosen from cross-listed courses when they are conducted by another department.”

Page 310, 2016-2017 Calendar, following the section 11.6.4.2, insert the following new section as follows:

“11.6.4.3

Table 1: Courses to Fulfill Requirements for the Minor, Major, and Honours Programs in English

	<u>Canadian Literature</u>	<u>American Literature</u>	<u>Pre-19th Century</u>	<u>19th Century</u>	<u>20th and 21st Century</u>
<u>2000-level</u>	<u>2150</u> <u>2151</u> <u>2160</u>	<u>2160</u> <u>2216</u> <u>2217</u> <u>2218</u>		<u>2211</u>	<u>2122</u> <u>2150</u> <u>2151</u> <u>2212</u> <u>2811</u> <u>2813</u> <u>2815</u>
<u>3000-level</u>	<u>3152</u> <u>3153</u> <u>3155</u> <u>3156</u> <u>3157</u> <u>3158</u> <u>3820</u> <u>3848</u>	<u>3260</u> <u>3261</u> <u>3262</u> <u>3263</u> <u>3848</u>	<u>3001</u> <u>3002</u> <u>3006</u> <u>3021</u> <u>3022</u> <u>3130</u> <u>3190</u> <u>3819</u>	<u>3152</u> <u>3160</u> <u>3161</u> <u>3172</u> <u>3175</u> <u>3190</u> <u>3710</u> <u>3711</u> <u>3819</u> <u>3830</u>	<u>3100</u> <u>3152</u> <u>3153</u> <u>3155</u> <u>3156</u> <u>3157</u> <u>3158</u> <u>3160</u> <u>3161</u> <u>3172</u> <u>3175</u> <u>3190</u> <u>3260</u> <u>3265</u> <u>3711</u> <u>3713</u> <u>3714</u> <u>3811</u> <u>3819</u> <u>3820</u> <u>3830</u> <u>3843</u> <u>3844</u> <u>3848</u>
<u>4000-level</u>	<u>4821</u> <u>4822</u> <u>4850</u> <u>4851</u>	<u>4271</u> <u>4272</u>	<u>4000</u> <u>4010</u> <u>4030</u> <u>4040</u> <u>4041</u> <u>4050</u> <u>4051</u>	<u>4050</u> <u>4051</u> <u>4060</u> <u>4061</u> <u>4070</u> <u>4271</u> <u>4300</u>	<u>4070</u> <u>4071</u> <u>4080</u> <u>4101</u> <u>4272</u> <u>4300</u> <u>4817</u>

			<u>4210</u>	<u>4805</u>	<u>4819</u>
			<u>4211</u>	<u>4817</u>	<u>4821</u>
			<u>4271</u>	<u>4821</u>	<u>4822</u>
			<u>4500</u>	<u>4851</u>	<u>4850</u>
			<u>4501</u>		
			<u>4600</u>		
			<u>4601</u>		

60.16 Department of Philosophy

Page 285, 2016-2017 Calendar, under the heading 7 Diploma Programs Offered in the Faculty of Humanities and Social Sciences, amend the calendar entry as follows:

“7 Diploma Programs Offered in the Faculty of Humanities and Social Sciences

Diploma Programs in the Faculty of Humanities and Social Sciences are of distinct advantage to students who wish to complement their studies in one or more fields of specialization. Students can choose programs that either develop knowledge relevant to growing sectors of the economy and to areas of increasing social concern, or enable exploration of a concentrated subject from a variety of disciplinary perspectives. Diploma programs tend to provide more in-depth study of a specialized area than certificate programs, and some include a practical component, such as an instructional field placement, a field course, or a capstone project. Some diploma programs may assist in easing the transition of graduates to the workplace. The Faculty of Humanities and Social Sciences offers the Diploma in Ancient Worlds, ~~the Diploma in Applied Ethics~~, the Diploma in Creative Writing, the Diploma in Geographic Information Sciences, the Diploma in Humanities, the Diploma in Performance and Communications Media, and the Diploma in Police Studies.”

Page 287, 2016-2017 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).~~

~~7.5.1 Admission Requirements~~

~~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~~

Department of Philosophy (cont'd)

~~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 Requirements~~

~~Philosophy 1230, 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 378, 2016-2017 Calendar, under the heading 12.22.6 4000-Level and Higher, amend the calendar entry to read 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 (this program is currently under review)”~~

60.17 Department of Archaeology

Page 298, 2016-2017 Calendar, under the heading 11.2.3.1 First Courses, amend the calendar entry as follows:

“11.2.3.1 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~~ 1000 (or the former ARCH 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); 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~~ 1000 (or the former ARCH 1030), 2480, 4182, 4411.

Department of Archaeology (cont'd)

Group 1 (Core Courses): 1001 (or the former 2590), 1005, 2430, 2450.

Group 2 (Field and Laboratory Courses): 3040, 3583, 3585, 3586, 3650, 3710, 3850, 4015, 4151, 4152, 4153, 4171.

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

Group 4 (Topical Courses): 2494, 3001, 3020, 3536, 3561, 3582, 3584, 3590, 3593, 3594, 3687, 3688, 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**

Term	Courses
First Year	<ul style="list-style-type: none"> ARCH 1030 1000 (or the former ARCH 1030) ARCH 1001 (or the former 2590) <u>or ARCH 1005</u> ARCH 2480
Second Year	<ul style="list-style-type: none"> ARCH 2430 ARCH 2450 ARCH 3040 <p>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 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</p>
Third Year	<ul style="list-style-type: none"> ARCH 3020 <u>ARCH 3687</u> ARCH 4041 ARCH 4043 3 credit hours from Group 3 (Regional Courses) <p>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 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</p>
Fourth Year	<ul style="list-style-type: none"> <u>ARCH 4041</u> <u>ARCH 4043</u> ARCH 4182 ARCH 4411 6 credit hours from ARCH 4150, 4151, 4152 or 4153

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

Term	Courses
First Year	<ul style="list-style-type: none"> ARCH 1030 <u>1000</u> (or the former ARCH 1030)

	<ul style="list-style-type: none"> ARCH 1001 (or the former ARCH 2590) <u>or ARCH 1005</u> ARCH 2480
Second Year	<ul style="list-style-type: none"> ARCH 1001 (or the former ARCH 2590) <u>ARCH 2494</u> <u>ARCH 3582 (or the former ARCH 2582)</u> ARCH 3590 ARCH 3650 ARCH 3651 <u>ARCH 3750</u> <p>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 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</p>
Third Year	<ul style="list-style-type: none"> <u>ARCH 3520</u> <u>ARCH 3525</u> ARCH 3710 ARCH 3850 ARCH 3860 ARCH 4015 <p>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 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</p>
Fourth Year	<ul style="list-style-type: none"> ARCH 4182 ARCH 4411 3 credit hours from ARCH 3001, 3561, 3584, <u>3592</u>, 3750

**Table 3 Suggested Course Progression for Prehistoric Archaeology
Specialization Area of a Major in Archaeology**

<u>Term</u>	<u>Courses</u>
<u>First Year</u>	<ul style="list-style-type: none"> ARCH 1030 <u>ARCH 1000 (or the former ARCH 1030)</u> <u>ARCH 1001 (or the former ARCH 2590) or ARCH 1005</u> <u>ARCH 2480</u>
<u>Second Year</u>	<ul style="list-style-type: none"> <u>ARCH 3290</u> <u>ARCH 3291</u> <u>ARCH 3510</u> <u>ARCH 3588</u> <u>ARCH 3688</u> <u>3 credit hours from Group 1 (Core courses)</u> <p><u>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 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</u></p>
<u>Third Year</u>	<ul style="list-style-type: none"> <u>ARCH 3500</u> <u>ARCH 3505</u> <u>ARCH 3515</u> <u>ARCH 4015</u> <u>ARCH 4153</u> <p><u>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</u></p>

	<u>ARCH 3583 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements (9 credit hours).</u>
<u>Fourth Year</u>	<ul style="list-style-type: none"> • <u>ARCH 4182</u> • <u>ARCH 4411</u> • <u>3 credit hours from ARCH 4151, 4171, 4172, 4173</u>

Page 299, 2016-2017 Calendar, under the heading 11.2.3.2 Minor, amend the calendar entry as follows:

“11.2.3.2 Minor

A minor in Archaeology may be achieved by completing the following courses: ~~ARCH 4030~~ 1000 (or the former ARCH 1030) and 2480; 6 credit hours in Archaeology courses at the 3000-level; 3 credit hours in Archaeology courses at the 4000-level; 9 credit hours chosen from Archaeology courses at any level, except ARCH 2492, 2493 (or the former ARCH 2491), or 2495. ~~the former Archaeology 2491.~~ ARCH 1001 or ARCH 1005 is a recommended choice.”

Page 299, 2016-2017 Calendar, under the heading 11.2.4 Honours Degree, amend the calendar entry as follows:

“11.2.4 Honours Degree

1. Students intending an Honours program are required to be majors and must complete 60 credit hours in Archaeology, at least 36 of which must be at the 3000 level or above including Archaeology 4994 and Archaeology 4995 (or the former Archaeology 4996). ARCH 1001 or ARCH 1005 is a recommended choice.”

Page 300, 2016-2017 Calendar, under the heading 11.2.5 Regulations for Joint Honours, Archaeology and Another Major Subject, amend the calendar entry as follows:

“11.2.5 Regulations for Joint Honours, Archaeology and Another Major Subject

1. Students must fulfill the Regulations for the Honours Degree of Bachelor of Arts.
2. Students must complete 42 credit hours in Archaeology courses and include the following:
 - a. Archaeology ~~4030~~ 1000 (or the former ARCH 1030);
 - b. Archaeology 2430, 2480 and 3 other credit hours in Archaeology at the 2000 level;
 - c. 15 credit hours in Archaeology courses at the 3000 level, chosen in consultation with an Honours supervisor; and
 - d. Archaeology 4182 and 4411 and 9 other Archaeology credit hours at the 4000 level, with a grade of “B” or better”

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Page 300, 2016-2017 Calendar, under the heading 11.2.6 Major in Archaeology (Co-operative), amend the calendar entry as follows:

“11.2.6 Major in Archaeology (Co-operative)

The Major in Archaeology (Co-operative) Education (ACE) 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 and First Courses above. In addition, the ACE Program requires two work term courses, 300W and 400W, as described in Work Terms.

The ACE Program is an extension of the existing Bachelor of Arts and Bachelor of Arts Honours programs. The program is administered by Co-operative Education at Memorial University of Newfoundland. With the help of Co-operative Education and the Department of Archaeology, students will seek placement opportunities within the Province, within Canada, and internationally. ~~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. 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 of Newfoundland.”~~

Page 300, 2016-2017 Calendar, under the heading 11.2.6.1 Admission Requirements, amend the calendar entry as follows:

“11.2.6.1 Admission Requirements

1. Admission is limited, competitive and selective. ~~Therefore,~~ prospective students are encouraged to consider alternate degree program(s) in the event that they are not accepted into the ACE program.
2. Applicants should note that it is possible to enter Term 1 only in the Fall semester commencing in September of each academic year. ACE application forms are available online at www.mun.ca/archaeology/ace or in the Department of Archaeology Office.
3. 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.
4. 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 School or

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significant archaeology experience. It is also advised that students choose courses which can satisfy the requirements for the Core Requirements as outlined under Bachelor of Arts General Degree Components, including courses in a second language.

5. 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 work term and field or laboratory work experience may also be taken into consideration.

6. 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.”

Page 300, 2016-2017 Calendar, under the heading 11.2.6.3 Work Term Placement, amend the calendar entry as follows:

“11.2.6.3 Work Term Placement

1. Work terms are not guaranteed but every effort is made to ensure that appropriate employment is made available. In the case of a student who is required to withdraw from the program, Co-operative Education at Memorial University of Newfoundland has no responsibility for placement until the student has been re-admitted to the program.

2. 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.

3. Students are required to complete professional development seminars offered by Co-operative Education.

4. A student who has been accepted to the ACE Program may obtain a term placement outside the competition. Such employment positions must be confirmed by the employer, and must be approved by the ACE Coordinator.

5. The dates for starting and finishing each work term are shown in the University Diary.

6. A student is 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.

7. Work terms must involve full-time work and are normally paid.”

Page 300, 2016-2017 Calendar, under the heading 11.2.6.4 Registration and Evaluation of Performance, amend the calendar entry as follows:

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“11.2.6.4 Registration and Evaluation of Performance

1. In Work Terms 1 and 2, a student must register for Archaeology 300W and 400W respectively.
2. Student performance evaluations are to be completed by the employer and returned to the ASM-CE. The Work Term evaluations shall consist of two components:

- a. On-the-job Student Performance:

Job performance shall be assessed by the ASM-CE in consultation with the department using information gathered during the Work Term and input from the employer towards the end of the Work Term. Formal written documentation from the employer shall be sought. Evaluation of the job performance will result in one of the following classifications: OUTSTANDING, ABOVE EXPECTATIONS, SATISFACTORY, MARGINAL PASS, FAIL.

- b. The Work Report:

- A student is required to submit a Work Term report to the ~~Coordinator~~ on the first day of final exams.
- Work Term reports shall be evaluated jointly by the Department and the ASM-CE.
- 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 ASM-CE in conjunction with the Department of Archaeology.

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 a classification of OUTSTANDING PERFORMANCE in both the work report and the job performance.
- Pass: Indicates a classification of ABOVE EXPECTATIONS, SATISFACTORY, and/or MARGINAL PASS that PERFORMANCE MEETS EXPECTATIONS for both the work report and the job performance.
- Fail: Indicates a classification of FAILING PERFORMANCE in the work report and/or the job performance.

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

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(Undergraduate) of the University. The grades awarded for each work term will be noted on the transcript of the student.

3. 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.~~
4. ~~In order to be considered for readmission, students must formally apply for readmission to the program not later than the deadline date specified in Admission Requirements above.~~
5. 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 the ACE Coordinator, the ASM-CE, 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.”

Page 301, 2016-2017 Calendar, under the heading 11.2.7.2 Program of Study, amend the calendar entry as follows:

“11.2.7.2 Program of Study

In addition to meeting the requirements for the Major in Archaeology (Co-operative), Honours in Archaeology (Co-operative) students must also meet the following regulations.

1. A student should also refer to the Bachelor of Arts (Honours) Degree Regulations. 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 the former Archaeology 4996). In addition, the ACE Program requires two work Term courses, 300W and 400W, as described in 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 from readmission in the subsequent year after passing the specified required course(s) previously failed. See

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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, the ASM-CE 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, a student will require permission from the Head of the Department 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.
5. Students may wish to follow Table 34 Suggested Course Progression for Major/Honours in Archaeology (Co-operative) outlined below

Table 34 Suggested Course Progression for Major/Honours in Archaeology (Co-operative)

Year	Courses
Year 1	<ul style="list-style-type: none"> ARCH 4030 1000 (or the former ARCH 1030) ARCH 2480
Year 2	<ul style="list-style-type: none"> 3 credit hours from Group 1 (Core Courses) 6 credits hours from Group 3 (Regional Courses) and/or Group 4 (Topical Courses). Students applying for the ACE Program are required to take an Archaeology Field or Laboratory School after their second year of study. The courses associated with the field/lab school include ARCH 3583 (Intersession), ARCH 3585 and ARCH 3586 (Summer Session), and these count towards the Field and Laboratory course requirements - 9 credit hours Group 2 (Field and Laboratory Courses).
Year 3	<ul style="list-style-type: none"> 3 credits hours from Group 3 (Regional Courses) Work Term 1
Year 4	<ul style="list-style-type: none"> ARCH 4182 ARCH 4411 ARCH 4994 and ARCH 4995 (or the former 4996) - Honours Program only Work Term 2 3 credit hours from Group 4 (Topical Courses)

Page 347, 2016-2017 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

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“1005 Critical Reading and Writing in Aboriginal and Indigenous Studies (same as History 1005) 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 Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw.

CR: the former ARCH 2590, History 1005, the former HIST 1016

~~1030—1000~~ Introduction to Archaeology (same as the former Archaeology 1030) and ~~Bioarchaeology~~ is a broad overview of Archaeology and Bioarchaeology introducing the concepts of human biological and cultural evolution and the methods and techniques by which these are investigated. The course is designed to provide the basis for further study in the disciplines.

CR: The former ARCH 1030”

All instances of ARCH 1030 in the MUN Calendar need to be replaced by ARCH 1000 or ARCH 1000 (the former ARCH 1030).

60.18 Department of Folklore

Page 359, 2016-2017 Calendar, under the heading 12.9 Folklore, amend the calendar entry as follows:

“2800 Folklore and Tourism: Foodways, Music, and Ritual examines the role of folklore and folklorists in the global tourism industry. Students will study local practices of foodways, music, and ritual that are being refigured for tourist consumption in Newfoundland and Labrador, and beyond.

Abbreviated Course Title: Folklore and Tourism”

60.19 Department of Modern Languages, Literatures and Cultures

Page 321, 2016-2017 Calendar, following section 11.9.10 Université de Bretagne Sud (UBS), insert the following two new sections, renumbering subsequent sections as follows:

“11.9.11 Regulations for Francophones registering for the Major in French

The Major in French for Francophones is offered to students who have resided in a francophone milieu and who have an advanced comprehension of the French language beyond what is acquired in a high school French immersion program. Admission to the option is normally restricted to students who have completed a minimum of 3 years in a French speaking high school while residing in a francophone

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community, duly authenticated in writing. Equivalencies for francophone students in other circumstances will be considered by the Faculty of Humanities and Social Sciences' Committee on Undergraduate Studies upon a written recommendation from the Head of Department.

Francophone students who choose French as their Major must complete at least 42 credit hours in French, including:

- a) a minimum of 9 credit hours at the 2000-level including 2101 and 2300 and a minimum of 3 credit hours to be chosen from 2601 or 2602
- b) a minimum of 18 credit hours at the 3000-level, including FREN 3100 and 3101 (or 3202 and 3203); a minimum of 6 additional credit hours chosen from 3500, 3501, 3502, 3503, 3504, 3506, 3507, 3508
- c) a minimum of 12 credit hours at the 4000-level
- d) an additional three credit hours at the 2000-level or above

Note 1: Francophone students cannot register for 1000-level French courses or for FREN 3300

Note 2: Francophone students are exempted from the requirement for study in a francophone milieu.

Note 3: International students from countries where French is an official language are advised to contact the Undergraduate Student Advisor for assistance with course planning.

11.9.12 Regulations for Francophones who register for the Minor in French

The Minor in French for Francophones is offered to students who have resided in a francophone milieu and who have an advanced comprehension of the French language beyond what is acquired in a high school French immersion program. Admission to the option is normally restricted to students who have completed a minimum of 3 years in a French speaking high school while residing in a francophone community, duly authenticated in writing. Equivalencies for francophone students in other circumstances will be considered by the Faculty of Humanities and Social Sciences' Committee on Undergraduate Studies upon a written recommendation from the Head of Department.

1. Students who choose French as their Minor must complete at least 24 credit hours in French, including:

- a) a minimum of 15 credit hours at the 2000-level including 2100 and 2101;
- b) a minimum of 3 credit hours at the 3000 level including 3100 or 3101;

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c) up to 6 additional credit hours at the 2000 level or above
2. No more than 6 transfer credit hours may be used to fulfill the minimum requirements of the Minor in French as outlined under Transfer Credit for Language Courses.

Note 1: Francophone students cannot register for 1000-level French courses or for FREN 3300

Note 2: Francophone students are exempted from the requirement for study in a francophone milieu.

Note 3: International students from countries where French is an official language are advised to contact the Undergraduate Student Advisor for assistance with course planning.”

Page 324, 2016-2017, under the heading 11.12.1 German, amend the calendar entry as follows:

~~“11.12.1 German Language and Literature~~
~~www.mun.ca/languages~~

11.12.1.1 German

www.mun.ca/languages/german

German course descriptions are found in the Faculty of Humanities and Social Sciences section under **Course Descriptions, Modern Languages, Literatures, and Cultures** and are designated by GERM.

11.12.1.2 General Degree

All students who did not matriculate in German will begin their study with Elementary German I (1000) or equivalent.

11.12.1.3 German ~~Language and Literature~~ Major Program

Students majoring in German must comply with the **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)** and arrange their program in consultation with the ~~Head of the Department~~ German Program Liaison. ~~Students majoring in German may choose from two streams: literature or cultural studies. The choice of stream will determine the courses required for a major.~~ It is highly desirable that, during their course of study, all students majoring in German spend at least one semester of study in a German-speaking country.

~~Major Streams~~

~~1. Literature Stream~~

~~Students majoring in German (Literature stream) will normally be required to complete a minimum of 36 credit hours in German including at least 24 credit hours in the following courses or their equivalents: German 1000, 1001, 2010, 2011, 3010, 3011, 3900 and~~

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~~3901. Exceptional students may be extended an invitation to participate in a graduate level seminar.~~

Students who choose German as their Major must complete 36 credit hours in German, including:

- a. 1000 and 1001
- b. 2010 and 2011
- c. 2900 or 2901
- d. 3010 and 3011
- e. 4010 or 4011
- f. remaining 12 credit hours at the 3000 level or above

Suggested Course Pattern for the Major in German (Literature Stream) Table

<u>First-Year</u>	<u>Second-Year</u>	<u>Third-Year</u>	<u>Fourth-Year</u>
<u>GERM 1000</u> <u>GERM 1001</u>	<u>GERM 2010</u> <u>GERM 2011</u> Recommended: <u>GERM 3912, 3913, 2900 or 2901</u> <u>or other GERM electives</u>	<u>GERM 3010</u> <u>GERM 3011</u> <u>GERM 3900</u> <u>GERM 3901</u> Recommended: <u>2 additional three credit hour electives in GERM at the 3000-level and above</u>	<u>Remaining courses to complete the Major in German, including GERM 4010 or 4011 (Literature Stream)</u> Recommended: <u>GERM 3900 or 3901</u>

2. Cultural Studies Stream

~~Students majoring in German (Cultural Studies stream) will normally be required to complete a minimum of 36 credit hours in German, including at least 24 credit hours in the following courses or their equivalents: German 1000, 1001, 2010, 2011, 2900, 2901, 3010, and 3011. Exceptional students may be extended an invitation to participate in a graduate level seminar.~~

Suggested Course Pattern for the Major in German (Cultural Studies Stream) Table

<u>First-Year</u>	<u>Second-Year</u>	<u>Third-Year</u>	<u>Fourth-Year</u>
<u>GERM 1000</u>	<u>GERM 2010</u> <u>GERM 2011</u> <u>GERM 2900</u> <u>GERM 2901</u>	<u>GERM 3010</u> <u>GERM 3011</u> Recommended: <u>four 3 credit hour electives</u>	<u>Remaining courses to complete the Major</u>
<u>GERM 1001</u>			<u>in German (Cultural Studies Stream)</u>

11.12.2.4 German Language and Literature Minor Program

~~A Minor in German will consist of a minimum of 24 credit hours. Students must obtain credit for: German 1000, 1001 (or their equivalents), 2010, 2011.~~

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Students who choose German as their Minor must complete at least 24 credit hours in German, including:

- a. 1000 and 1001
- b. 2010 and 2011
- c. 2510 or 3010
- d. 9 credit hours at the 2000 level or above

11.12.1.5 German Studies Minor Program

~~A Minor in German Studies is offered as a special program of an interdisciplinary nature, consisting of a minimum of 24 credit hours in courses as follows:~~

- ~~1. 18 credit hours in German, including: 1000; 1001 (or their equivalents); 2010 and 2011; 2900; 2901 or 2901; and~~
- ~~2. 6 credit hours taken in either additional courses in German and/or from cognate courses offered by other departments, such as History 3370, 3380, Philosophy 3850, 3851, 3860, to be chosen through prior consultation with the Head of the Department.~~

In addition to the German Minor, we also offer a Minor in German Studies. It consists of a minimum of 24 credit hours in courses including:

- a. 1000 and 1001
- b. 2010 and 2011
- c. 2900 or 2901
- d. 9 credit hours in either additional courses in German and/or from cognate courses offered by other departments, such as History 3370, 3380, Philosophy 3850, 3851, 3860, to be chosen through prior consultation with the German Program Liaison.
- e. Not more than 3 credit hours in courses in the student's major program may be used to satisfy the requirements of the minor in German Studies.

German 2030, 2031, 2900, 2901, the former 2910, 3000, 3001, 3002, 3003, 3005, the former 3902, 3911, 3912, 3913, 3914, 3915 and the Special Topics courses in German Studies may not be used to satisfy the Faculty of Humanities and Social Sciences' requirements for 6 credit hours in a second language. Language Study requirement.

11.12.1.6 Honours Degree in German

~~Students wishing to take an Honours degree in German must arrange their program in consultation with the Head of the Department. They will be required to comply with the University regulations for Honours degrees, to take a minimum of 60 credit hours in German with at least a 'B' standing, and to write a comprehensive examination or present a Honours Essay in their final year. Courses in German must~~

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~~include the following required 27 credit hours: German 1000, 1001 (or their equivalent), 2010, 2011, 3010, 3011, 4010, 4011, and 4998 or 4999. Students reading German in a Joint Honours degree program will take a minimum of 42 credit hours in German, which must include the following 24 credit hours in courses German 1000, 1001 (or their equivalents), 2010, 2011, 3010, 3011, 3900, 3901 with at least a 'B' standing.~~

1. Students intending to complete an Honours degree with a major in German must comply with the Regulations for the Honours Degree of Bachelor of Arts.
2. Students are required to complete a minimum of 60 credit hours in German according to the following pattern, of which there must be a minimum of 36 credit hours at the 3000 level or above:
 - a. 36 credit hours chosen in accordance with the pattern set out under the major in German;
 - b. German 4998 or 4999
 - c. an additional 21 credit hours, which must include 4010 or 4011 and 4998 or 4999.

Students who are completing a Joint Honours Degree in German will complete a minimum of 42 credit hours in German, including:

- a. 1000 and 1001
- b. 2010 and 2011
- c. 3010 and 3011
- d. 3900 and 3901
- e. 15 additional credit hours at the 3000 level or above, including 4998 or 4999 if the student chooses to write the Honours Essay and/or comprehensive examination in German
- f. 3 additional credit hours at 2000 level or above

Suggested Course Pattern for the Honours Program Table

<u>First-Year</u>	<u>Second-Year</u>	<u>Third-Year</u>	<u>Fourth-Year</u>
<u>GERM 1000</u> <u>GERM 1001</u>	<u>GERM 2010</u> <u>GERM 2011</u> <u>GERM 2900</u> <u>GERM 2901</u> <u>Recommended: two 3</u> <u>credit hour electives at</u> <u>the 2000 level or higher</u> <u>12 credit hour</u> <u>electives at the 2000</u> <u>level or higher</u> <u>(including Heidelberg</u> <u>Field School courses</u> <u>GERM 3510 and 3511)</u>	<u>GERM 3010</u> <u>GERM 3011</u> <u>GERM 3900</u> <u>GERM 3901</u> <u>Recommended: two 3</u> <u>credit hour electives at</u> <u>the 3000 level or higher</u> <u>12 credit hour electives</u> <u>at the 3000 level or higher</u>	<u>GERM 4010 or</u> <u>GERM 4011</u> <u>GERM 4998 or 4999</u> <u>two 4000 level</u> <u>literature courses</u> <u>taught in German</u> <u>one 3 credit hour</u> <u>elective</u>

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The minimum grades for the Honours program are:

- a. a grade of 70% or better, or an average of 75% or higher in the minimum number of courses including the required courses in German prescribed by the Department or, in the case of Joint Honours, Departments concerned;
- b. a grade of 70% or better must be obtained in the Honours essay and/or comprehensive examination.”

Page 369, 2016-2017 Calendar, under the heading 12.13.1 Russian, amend the calendar entry as follows;

“2440 The Russian Utopian Imagination is a survey of Russia’s unique contribution to the utopian tradition, nationally and internationally, and in revolutionary moments past, present and future. While literature is the focus of the course, other media including architecture, film, and other forms of print will also be considered.

Abbreviated Course Title: Russian Utopian Imagination

3440 Mushrooming & Mushroom Clouds: The Russian Ecological Imagination addresses ecological concerns past, present, and future through the lens of imaginative production. A wide range of Russian novels, short stories, science writing and film will be used to explore how narrative not only represents nature but also produces it.

Abbreviated Course Title: Russian Eco Imagination”

60.20 Department of Gender Studies

Page 322, 2016-2017 Calendar, under the heading 11.10.3 Major Program Regulations, amend the calendar entry as follows:

“11.10.3 Major Program Regulations

Students declaring a Major in Gender Studies should consult the Head of the Department regarding course selection.

The Major Program in Gender Studies consists of a minimum of ~~39~~ 36 credit hours. The following courses are required:

1. Gender Studies 1000, Gender Studies 2005, Gender Studies 3000, one of Gender Studies 3005, or Gender Studies 3025, and Gender Studies 4000, ~~and Gender Studies 4005.~~
2. A minimum of 21 credit hours from the Gender Studies Electives Courses Table outlined below, selected from at least three different subject areas.
3. One of these courses may be a selected topics or directed readings course in any subject relevant to the major program.

Department of Gender Studies (cont'd)

4. A selected topics or directed readings course included in the student's major program must be approved in advance by the Committee on Undergraduate Studies on the recommendation of the Head of the Department."

Page 365, 2016-2017 Calendar, under the heading 12.11 Gender Studies, amend the calendar entry as follows:

"~~4005~~ 3008 Feminist Practices and Global Change (same as the former GNDR 4005 and the former WSTD 4005) examines, in considerable depth and detail, connections between feminist theories and activism for social and political change on a global scale. It examines how social movement activisms, including particularly in their transnational feminist forms, is—are mobilized in different historical, cultural and ~~national~~ geographic contexts; and are increasingly defined by linkages between the local, regional and global/transnational.

CR: the former GNDR 4005, the former WSTD 4005

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

60.21 Department of Economics

Page 352, 2016-2017 Calendar, under the heading 12.6 Economics, amend the calendar entry as follows:

"~~2010~~ 1010 Introduction to Microeconomics examines scarcity and opportunity cost. Demand and supply. Elasticity. Household demand: marginal utility. Household demand: indifference curves. Production functions. Short-run and long-run cost functions. Perfect competition in the short run and the long run. Monopoly. All sections of this course follow Quantitative Reasoning Course Guidelines available at www.mun.ca/hss/qr.

CR: the former ECON 2010

~~2020~~ 1020 Introduction to Macroeconomics covers national income accounting, aggregate income analysis, money, banking and foreign trade. All sections of this course follow Quantitative Reasoning Course Guidelines available at www.mun.ca/hss/qr.

CR: the former ECON 2020"

Page 304, 2016-2017 Calendar, under the heading 11.5.6 Minor in Economics, amend the calendar entry as follows:

"11.5.6 Minor in Economics

Department of Economics (cont'd)

1. ~~Economics 2010, 2020, 3000, and 3010 are obligatory. Economics 1010 (or the former 2010), 1020 (or the former 2020), 3000, 3010, and at least 3 credit hours in Economics at the 4000 level are obligatory.~~

Change all appearances in the University Calendar of Economics 2010 and 2020 so that they become 1010 and 1020. This includes but not limited to the following calendar changes.

Page 304, 2016-2017 Calendar, under the heading 11.5.4 Major in Economics (B.A. or B.Sc.), amend the calendar entry as follows:

“11.5.4 Major in Economics (B.A. or B.Sc.)

2. Economics 1010 and 1020 (or the former Economics 2010 and 2020) are prerequisites for all other Economics courses.

6. B.A. students who undertake a Major in Economics shall complete Statistics 2500 and at least 39 credit hours in courses in Economics of which:

a. 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, 3010 and 3550 are obligatory.

8. B.Sc. students who undertake a Major in Economics shall complete at least 42 credit hours in courses in Economics of which:

a. 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, and 3010 are obligatory”

Page 304, 2016-2017 Calendar, under the heading 11.5.5 Honours in Economics (B.A. or B.Sc.), amend the calendar entry as follows:

“11.5.5 Honours in Economics (B.A. or B.Sc.)

3. All students shall complete all non-Economics courses required of B.A. or B.Sc. Majors, and at least 60 credit hours in courses in Economics, including 1010 (or the former 2010), 1020 (or the former 2020), 2550, and at least 36 credit hours at the 3000-level or above including 3000, 3001, 3010, 3011, 3550, 3551, 4550 and 4551 ~~shall be chosen.~~

Page 305, 2016-2017 Calendar, under the heading 11.5.8.1 Economics Co-operative Education Option (ECEO), amend the calendar entry as follows:

“11.5.8.1 Economics Co-operative Education Option (ECEO)

1. Admission Requirements

Department of Economics (cont'd)

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 Economics 1010 (or the former 2010) and 1020 (or the former 2020); at least 6 credit hours in English (English 1110 is recommended); Mathematics 1000; and 15 credit hours chosen from courses in the Faculties of Humanities and Social Sciences, Business or Science. It is advised that Bachelor of Arts 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. Bachelor of Science applicants must have completed Mathematics 1001.”

Page 306, 2016-2017 Calendar, under the heading 11.5.9.2 Program of Study, amend the calendar entry as follows:

“11.5.9.2 Program of Study

3. All students shall complete all non-Economics courses required of B.A. or B.Sc. Majors, and at least 60 credit hours in Economics, including 1010 (or the former 2010), 1020 (or the former 2020), 2550, and at least 36 credit hours at the 3000-level or above including 3000, 3001, 3010, 3011, 3550, 3551, 4120, 4550 and 4551 ~~sh~~
~~all be chosen.~~”

Page 352, 2016-2017 Calendar, under the heading 12.6 Economics, for the following courses, change mention of ECON 2010 and/or ECON 2020 in the prerequisites to “ECON 1010 (or the former ECON 2010)” and/or “ECON 1020 (or the former ECON 2020)” where applicable:

2550 Economic Statistics and Data Analysis
3000 Intermediate Micro Theory I
3001 Intermediate Micro Theory II
3010 Intermediate Macro Theory I
3011 Intermediate Macro Theory II
3030 International Economics - Issues and Problems in a Canadian Context
3070 The Structure and Problems of the Newfoundland and Labrador Economy
3080 Natural Resource and Environmental Economics
3140 Economic Analysis in Health Care
3150 Money and Banking
3160 Financial Economics
3360 Labour Market Economics
3550 Mathematical Economics I
3551 Mathematical Economics II
3600 Industrial Revolutions of the 18th and 19th Centuries

Department of Economics (cont'd)

3610 International Economic History of the 19th and 20th Centuries
 3620 Canadian Economic History to the End of the 19th Century
 3630 Canadian Economic History in the 20th Century
 3670 Applications of Choice Theory
 3711 Intergovernmental Relations in Canada
 4010 Economics of Development in Less Developed Countries
 4011 Economic Planning and Development
 4040 Economics of Education
 4050 Inflation: Theory and Policy
 4070 Forestry Economics
 4080 Advanced Fisheries Economics
 4100 Industrial Organization and Public Policy
 4140 Health Economics
 4361 Labour Market Theory and Income Distribution

Page 279, 2016-2017 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

1. Eligible Humanities and Social Sciences courses: Archaeology 2450, Economics 1010 (or the former Economics 2010), 1020 (or the former Economics 2020), 2550, 2000-level courses; Geography 1050, 2102, 2195, 2302; History 2000; Linguistics 2210, 3850; Philosophy 2210, 2211; Political Science 3010, 3350; Sociology 3040, 3041.”

Page 283, 2016-2017 Calendar, under the heading 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, amend 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

3. Economics 1010 (or the former Economics 2010) and Economics 1020 (or the former Economics 2010);

Table 1 Bachelor of Commerce (Co-operative) Curriculum (Completed Jointly with the Bachelor of Arts)

Terms A/B	<ul style="list-style-type: none"> • 6 credit hours in English courses which must include English 1110 or 1021 • Mathematics 1000 • Economics <u>1010 (or the former Economics 2010)</u> and <u>Economics 1020 (or the former Economics 2020)</u>
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	<ul style="list-style-type: none"> • Business 1000 • 12 additional credit hours in non-Business electives [see Note 1. below]
<ul style="list-style-type: none"> • Fall • Academic Term 1 	<ul style="list-style-type: none"> • Business 1101 • Business 1210 • Statistics 2500 • 6 credit hours chosen from: Business 1600, Business 2010, Business 2400, Business 2710, and 3 credit hours in Major, Core or elective courses (see Note 1. below)
<ul style="list-style-type: none"> • Winter • Academic Term 2 	<ul style="list-style-type: none"> • Business 2101 • Business 2210 • Remaining 9 credit hours chosen from: Business 1600, Business 2010, Business 2400, Business 2710, and 3 credit hours in Major, Core or elective courses [see Note 1. below]
Spring	[see Note 2. below]
<ul style="list-style-type: none"> • Fall • Academic Term 3 	<ul style="list-style-type: none"> • Business 300W • Business 3310 • Business 3401 • Business 3700 • At least 6 credit hours in Major, Core or elective courses [see Note 3 below]
Winter	Business 399W [see Note 2. below]
<ul style="list-style-type: none"> • Spring • Academic Term 4 	<ul style="list-style-type: none"> • Business 4000 • Business 4050 • Business 4320 • Business 4330 • Business 4500
Fall	Business 499W [see Note 2. below]
<ul style="list-style-type: none"> • Winter • Academic Term 5 	<ul style="list-style-type: none"> • Business 5301 • At least 12 credit hours in Major, Core or elective courses [see Note 3. below]
Spring	Business 599W [see Note 2 below]
<ul style="list-style-type: none"> • Fall • Academic Term 6 	<ul style="list-style-type: none"> • Business 7000 • At least 12 credit hours in Major, Core or elective courses [see Note 3. below]
<ul style="list-style-type: none"> • Winter • Academic Term 7 	<ul style="list-style-type: none"> • At least 15 credit hours in Major, Core or elective courses [see Note 3. below]

Page 295, 2016-2017 Calendar, under the heading 8.8.3 Regulations for the Certificate in Public Policy, amend the calendar entry as follows:

“8.8.3 Regulations for the Certificate in Public Policy

2. 12 credit hours chosen from one of the following designated policy concentrations:

Department of Economics (cont'd)

a. Economic Policy: Economics 1010 (or the former 2010), Economics 1020 (or the former 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

Table 1 Approved Courses for the Concentration in Economic Policy

1000-level and 2000-level Courses	3000-level Courses
Economics <u>1010 (or the former 2010)</u> (required) <u>Economics 1020 (or the former 2020)</u> required) Geography 2302 Sociology 2110	Anthropology 3260/Sociology 3260 Economics 3010, 3011, 3030, 3070, 3080, 3140 Economics 3150, 3360, 3711 Political Science 3250, 3650

Page 482, 2016-2017 Calendar, under the heading 5.2.2 Applied Mathematics and Economics Joint Major (B.Sc. Only), amend the calendar entry as follows:

“5.2.2 Applied Mathematics and Economics Joint Major (B.Sc. Only)

4. Economics: 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, 3010, 4550, 4551.”

Page 482, 2016-2017 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)

2. Economics requirements

A total of 42 credit hours in Economics courses are required: 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, 3010, and 6 credit hours from either 3550 and 3551, or 4550 and 4551 are obligatory.”

Page 483, 2016-2017 Calendar, under the heading 5.2.10 Economics and Pure Mathematics Joint Major (B.Sc. Only), amend the calendar entry as follows:

“5.2.10 Economics and Pure Mathematics Joint Major (B.Sc. Only)

3. Economics: 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, 3010, and 6 credit hours from either 3550 and 3551, or 4550 and 4551.”

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Page 483, 2016-2017 Calendar, under the heading 5.2.11 Economics and Statistics Joint Major (B.Sc. Only), amend the calendar entry as follows:

“5.2.11 Economics and Statistics Joint Major (B.Sc. Only)

3. Economics: 1010 (or the former 2010), 1020 (or the former 2020), 2550, 3000, 3001, 3010, 4550, 4551.”

Page 483, 2016-2017 Calendar, under the heading 5.2.12 Economics (Co-operative) and Statistics Joint Major (B.Sc. Only), amend the calendar entry as follows:

“5.2.12 Economics (Co-operative) and Statistics Joint Major (B.Sc. Only)

1. Admission Requirements

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 Economics 1010 (or the former 2010) and 1020 (or the former 2020); at least 6 credit hours in English; Mathematics 1000 and 1001; and 12 credit hours chosen from courses in the Faculties of Humanities and Social Sciences or Science.”

Page 84, 2016-2017 Calendar, under the heading 5.1 Regulations for Business Minors, amend the calendar entry as follows:

“5.1 Regulations for Business Minors

5. Course prerequisites for all courses shall apply to both Business minors. Students should note, for example, that the prerequisites for BUSI 4500 are BUSI 1101, Statistics 2500 and Economics 1010 (or the former 2010), and that the prerequisites for BUSI 5302 are BUSI 1000, Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020). It should be noted that some courses are not offered every semester.”

Page 84, 2016-2017 Calendar, under the heading 5.2.2 The Curriculum, amend the calendar entry as follows:

“5.2.2 The Curriculum

3. By the end of the Winter semester of their first year, Terms A/B students must have successfully completed the following 30 credit hours:

Department of Economics (cont'd)

c. Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020)

Table 1 Bachelor of Commerce (Co-operative) Curriculum

<ul style="list-style-type: none"> • Fall and Winter • Terms A/B 	<ul style="list-style-type: none"> • 6 credit hours in English courses which must include English 1110 or 1021 • Mathematics 1000 • Economics <u>1010 (or the former 2010)</u> and <u>1020 (or the former 2020)</u> • BUSI 1000 • 12 additional credit hours in non-BUSI electives
<ul style="list-style-type: none"> • Fall • Academic Term 1 	<ul style="list-style-type: none"> • BUSI 1101 • BUSI 1210 • Statistics 2500 • 6 credit hours chosen from: BUSI 1600, BUSI 2010, BUSI 2400, BUSI 2710, and 3 credit hours of electives*
<ul style="list-style-type: none"> • Winter • Academic Term 2 	<ul style="list-style-type: none"> • BUSI 2101 • BUSI 2210 • Remaining 9 credit hours chosen from: BUSI 1600, BUSI 2010, BUSI 2400, BUSI 2710, and 3 credit hours of electives*
Spring	
<ul style="list-style-type: none"> • Fall • Academic Term 3 	<ul style="list-style-type: none"> • BUSI 300W • BUSI 3310 • BUSI 3401 • BUSI 3700 • 6 credit hours in elective courses*
Winter Work Term 1	BUSI 399W
<ul style="list-style-type: none"> • Spring • Academic Term 4 	<ul style="list-style-type: none"> • BUSI 4000 • BUSI 4050 • BUSI 4320 • BUSI 4330 • BUSI 4500
Fall Work Term 2	BUSI 499W
<ul style="list-style-type: none"> • Winter • Academic Term 5 	<ul style="list-style-type: none"> • BUSI 5301 • 12 credit hours in elective courses*
Spring Work Term 3	BUSI 599W
<ul style="list-style-type: none"> • Fall • Academic Term 6 	<ul style="list-style-type: none"> • BUSI 7000 • 12 credit hours in elective courses*
<ul style="list-style-type: none"> • Winter • Academic Term 7 	15 credit hours in elective courses*

Department of Economics (cont'd)

Page 86, 2016-2017 Calendar, under the heading 5.2.3 Regulations for the Joint Degrees of Bachelor of Commerce (Co-operative) and Bachelor of Arts, amend the calendar entry as follows:

“5.2.3 Regulations for the Joint Degrees of Bachelor of Commerce (Co-operative) and Bachelor of Arts

**Table 2 Bachelor of Commerce (Co-operative) Curriculum
(Completed Jointly with the Bachelor of Arts)**

Fall and Winter Terms A/B	<ul style="list-style-type: none"> • 6 credit hours in English courses which must include English 1110 or 1021 • Mathematics 1000 • Economics <u>1010 (or the former 2010)</u> and <u>1020 (or the former 2020)</u> • BUSI 1000 • 12 additional credit hours in non-BUSI electives [see Note 1. below]
Fall Academic Term 1	<ul style="list-style-type: none"> • BUSI 1101 • BUSI 1210 • Statistics 2500 • 6 credit hours chosen from: BUSI 1600, BUSI 2010, BUSI 2400, BUSI 2710, and 3 credit hours in Major, Core or elective courses [see Note 1. below]
Winter Academic Term 2	<ul style="list-style-type: none"> • BUSI 2101 • BUSI 2210 • Remaining 9 credit hours chosen from: BUSI 1600, BUSI 2010, BUSI 2400, BUSI 2710, and 3 credit hours in Major, Core or elective courses [see Note 1. below]
Spring	[see Note 2. below]
Fall Academic Term 3	<ul style="list-style-type: none"> • BUSI 300W • BUSI 3310 • BUSI 3401 • BUSI 3700 • At least 6 credit hours in Major, Core or elective courses [see Note 3 below]
Winter Work Term 1	BUSI 399W [see Note 2. below]
Spring Academic Term 4	<ul style="list-style-type: none"> • BUSI 4000 • BUSI 4050 • BUSI 4320 • BUSI 4330 • BUSI 4500
Fall Work Term 2	BUSI 499W [see Note 2. below]

Winter Academic Term 5	<ul style="list-style-type: none"> • BUSI 5301 • At least 12 credit hours in Major, Core or elective courses [see Note 3. below]
Spring Work Term 3	BUSI 599W [see Note 2. below]
Fall Academic Term 6	<ul style="list-style-type: none"> • BUSI 7000 • At least 12 credit hours in Major, Core or elective courses [see Note 3. below]
Winter Academic Term 7	<ul style="list-style-type: none"> • At least 15 credit hours in Major, Core or elective courses [see Note 3. below]

Page 88, 2016-2017 Calendar, under the heading 5.3 Regulations for the Certificate in Business Administration, amend the calendar entry as follows:

“5.3 Regulations for the Certificate in Business Administration

3. To be eligible for the Certificate in Business Administration, a student must

- iii. Three of the following: Economics 1010 (or the former 2010), Economics 1020 (or the former 2020), BUSI 2101, 2210, 2400, 2710, 3310, 3401, 3700, 4000, 4320, 4330, and 4500.”

Page 88, 2016-2017 Calendar, under the heading 5.4 Regulations for the Diploma in Business Administration, amend the calendar entry as follows:

“5.4 Regulations for the Diploma in Business Administration

2. To be eligible for the Diploma in Business Administration, a student must:

- b. successfully complete the following 45 credit hours in addition to the 15 credit hours required for admission (a total of 60 credit hours):
 - i. Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020)”

Page 89, 2016-2017 Calendar, under the heading 5.5.1 The Curriculum, amend the calendar entry as follows:

“5.5.1 The Curriculum

2. To graduate with the B.B.A., candidates must successfully complete the following 120 credit hours with a Grade Point Average on those 120 credit hours of at least 2.5 and a numeric average on those 120 credit hours of at least 60%:

Department of Economics (cont'd)

c. Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020);"

Page 90, 2016-2017 Calendar, under the heading 5.7.3 The Curriculum, amend the calendar entry as follows:

"5.7.3 The Curriculum

c. Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020);"

Page 94, 2016-2017 Calendar, under the heading 10.2 Core and Elective Course Descriptions, amend the calendar entry to read as follows:

"10.2 Core and Elective Course Descriptions

4500 Financial Management I is designed to introduce the student to the role of financial management in business, financial analysis techniques, working capital management, and long-term and short-term financing.

CR: Economics 3160, the former BUSI 4110, Business 3500

PR: BUSI 1101, Statistics 2500, and Economics 1010 (or the former 2010)

5302 International Business (formerly BUSI 7302) is designed to introduce students to the issues of international business: these are the processes of cultural confrontation and compromise; the problems of competitive sovereignty involving multinational corporations and the governments of host societies; the organization, structure, operation and control of diverse international businesses; and, finally, the role of multinational enterprise as a catalyst in economic development and resource employment, in particular, the North-South context. The relevance of international business as an area of study to the Canadian economy is discussed. The course is both conceptual and empirical in content.

CR: the former BUSI 7302, Business 4040

PR: BUSI 1000, Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020)"

Page 170, 2016-2017 Calendar, under the heading 6.1 Bachelor of Maritime Studies, amend the calendar entry as follows:

Department of Economics (cont'd)

“6.1 Bachelor of Maritime Studies

Table 2 Bachelor of Maritime Studies - Course Requirements for All Students

Required Courses	Group A Electives	Group B Electives
<ul style="list-style-type: none"> • 3 credit hours in English at the 1000 level • MSTM 4001 • MSTM 4002 • MSTM 4004 • MSTM 4040 • MSTM 4060 • MSTM 410A/B 	<ul style="list-style-type: none"> • Business 1101 or 2102 • Business 4000 • MSTM 4005 • MSTM 4008 • MSTM 4011 • MSTM 4012 • MSTM 4013 • MSTM 4020 • MSTM 4050 • MSTM 4090 • Statistics 1510 or 2500 or equivalent 	<ul style="list-style-type: none"> • Economics <u>1010 (or the former 2010)</u> • Economics <u>1020 (or the former 2020)</u> • Economics 3030 • Economics 3360 • Geography 3510 • Geography 4410 • MSTM 4014 • MSTM 4030 • Philosophy 2571 • Political Science 3210 • Political Science 4200 • Sociology 2120

Page 171, 2016-2017 Calendar, under the heading 6.2.1 Bachelor of Technology – Engineering and Applied Science Technology Option, amend the calendar entry to read as follows:

“6.2.1 Bachelor of Technology - Engineering and Applied Science Technology Option

Table 3 Bachelor of Technology - Engineering and Applied Science Technology Option

Required Courses	Group A Electives	Group B Electives
<ul style="list-style-type: none"> • 3 credit hours in English at the 1000 level • MSTM 4010 • MSTM 4020 • MSTM 4040 • MSTM 4060 • MSTM 4090 • MSTM 410A/B • Statistics 1510 or 2500 or equivalent 	<ul style="list-style-type: none"> • Business 1101 or 2102 • Business 4000 • Economics 3360 • MSTM 4011 • MSTM 4012 • MSTM 4013 • MSTM 4017 • MSTM 4050 • MSTM 4070 	<ul style="list-style-type: none"> • Economics <u>1010 (or the former 2010)</u> • Economics <u>1020 (or the former 2020)</u> • Economics 3080 • Geography 4410 • MSTM 4014 • MSTM 4015 • MSTM 4016 • MSTM 4030 • Philosophy 1100 • Philosophy 2571 • Religious Studies 3830 • Sociology 2120

Page 171, 2016-2017 Calendar, under the heading 6.2.2 Bachelor of Technology – Health Science Technology Option, amend the calendar entry as follows:

Department of Economics (cont'd)

“6.2.2 Bachelor of Technology - Health Science Technology Option

Table 4 Bachelor of Technology - Health Science Technology Option

Required Courses	Group A Electives	Group B Electives	Group C Electives
<ul style="list-style-type: none"> • 3 credit hours in English at the 1000 level • MSTM 4040 • MSTM 4060 • MSTM 4090 • MSTM 410A/B • Statistics 1510 or 2500 or equivalent 	<ul style="list-style-type: none"> • Business 1101 or 2102 • Business 4000 • Economics 3360 • MSTM 4011 • MSTM 4012 • MSTM 4013 • MSTM 4017 • MSTM 4050 	<ul style="list-style-type: none"> • Economics <u>1010 (or the former 2010)</u> • Economics <u>1020 (or the former 2020)</u> • Economics 3080 • Geography 4410 • MSTM 4014 • MSTM 4015 • MSTM 4016 • MSTM 4030 • Philosophy 1100 • Philosophy 2551 or 2552 or 2553 • Philosophy 2571 • Religious Studies 3830 • Sociology 2120 	<ul style="list-style-type: none"> • Biology 2040 or 2041 • the former Nursing 3023 • the former Nursing 4701 • Psychology 2010 • Psychology 2020 • Psychology 2030 • Psychology 2800 • Sociology 2110

Page 224, 2016-2017 Calendar, under the heading 13.9 Economics, amend the calendar entry as follows:

“13.9 Economics

~~2010~~ 1010 Introduction to Microeconomics examines scarcity and opportunity cost. Demand and supply. Elasticity. Household demand: marginal utility. Household demand: indifference curves. Production functions. Short-run and long-run cost functions. Perfect competition in the short run and the long run. Monopoly.

CR: the former Economics 2010

~~2020~~ 1020 Introduction to Macroeconomics covers national income accounting, aggregate income analysis, money, banking and foreign trade.

CR: the former Economics 2020”

Page 224, 2016-2017 Calendar, under the heading 13.9 Economics, for the following courses, change mention of ECON 2010 and/or ECON 2020 in the prerequisites to “ECON 1010 (or the former ECON 2010)” and/or “ECON 1020 (or the former ECON 2010)” where applicable:

2550 Economic Statistics and Data Analysis

3000 Intermediate Micro Theory I

3010 Intermediate Macro Theory I

3030 International Economics: Issues and Problems in a Canadian Context

3050 Economic Forecasting: Methods and Applications

Department of Economics (cont'd)

3080 Natural Resource and Environmental Economics
3085 Issues in Ecological Economics
3150 Money and Banking
3160 Financial Economics
3550 Mathematical Economics I
3551 Mathematical Economics II

Page 229, 2016-2017 Calendar, under the heading 13.13 Environmental Studies, amend the calendar entry as follows:

“13.13 Environmental Studies

3000 Issues in Environmental Economics is an analysis of current issues concerning the effects of the economic activities of production and consumption on the natural environment. The concepts of scarcity, abundance, demand, supply, opportunity cost, trade-offs, externalities, marginal benefits and marginal costs will be utilized in examining environmental problems. The social and economic implications of various approaches will also be analysed.

OR: Economics ~~2010~~ 1010 (or the former Economics 2010)

3085 Issues in Ecological Economics (same as Economics 3085) explores the dynamic interaction between the economic system and the ecological system that sustains it by using trans-disciplinary theoretical approaches and methodologies. The main focus of this course will be on Ecological Economics concepts such as low and high entropy, biotic and abiotic goods and services, stock-flow resources, carrying capacity, throughput, co-evolution, sustainable scale, use value, and their applications in a problem-solving context.

CR: Economics 3085

PR: Economics ~~2010~~ 1010 (or the former Economics 2010)”

Page 190, 2016-2017 Calendar, under the heading 7.1.5 Designated Quantitative Reasoning and Analysis Courses (QRA), amend the calendar entry as follows:

Department of Economics (cont'd)

“7.1.5 Designated Quantitative Reasoning and Analysis Courses (QRA)”

Table 2 Designated Quantitative Reasoning and Analysis Courses (QRA)

Arts <ul style="list-style-type: none"> • Philosophy 2210, 2211 	Fine Arts <ul style="list-style-type: none"> • None
Science <ul style="list-style-type: none"> • Biochemistry 1430 • Biology 2250, 2600 • Chemistry (All courses with the exception of Chemistry 1900) • Computer Science (All courses) • Earth Sciences 2150 • Environmental Science (All courses with the exception of: 1000, 2360, 2370, 2371, 3072 and 4000) • Mathematics (All courses) • Statistics (All courses) • Physics (All courses) 	Social Science <ul style="list-style-type: none"> • Business: 2100, 2110, 3100, 3110, 3120, 3500, 3510, 4120 • Economics <u>1010 (or the former 2010)</u>, <u>1020 (or the former 2020)</u>, 3150 • Environmental Studies 2000 • Geography 3222 • Psychology 2925, 2950, 3950 • Sociology 3040 • Sustainable Resource Management 4000

Page 192, 2016-2017 Calendar, under the heading 7.2.2 Bachelor of Arts with Major in Historical Studies, amend the calendar entry as follows:

“7.2.2 Bachelor of Arts with Major in Historical Studies

Table 2 Bachelor of Arts with Major in Historical Studies

Required Courses	Elective Courses
Courses as outlined under Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement	A minor comprised of 8 courses, 24 credit hours chosen from Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 5 Minor Program Offered by the School of Fine Arts, or from Table 12 Minor Programs Offered by the School of Science and Environment. As an alternative to a Minor, a second Major may be completed.
<p>The Major consists of a minimum of 14 courses, 42 credit hours in History courses and an additional 5 courses, 15 credit hours drawn from a prescribed list of courses from other disciplines as follows: History 1100, 1101, 3840 and 4950. 12 credit hours from courses in each of the two following categories: Early Western History History/Classics 2035, 2040, 3090 History 2100, 2200, 2300, 2320, 2330, 3050,</p>	<p>Elective courses to make up the total of 120 credit hours, other than those required for the Grenfell Campus Core Program Requirement and Major/Minor requirements, may be chosen according to the following guidelines: Any courses in arts, social science, science and fine arts and Up to 15 credit hours in other subject areas.</p>

<p>3110, 3135, 3320, 3445, 3760 History 3520/Anthropology 3520/Archaeology 3520 History/Art History 2700, 3700, 3701 Later Western History History 2120, 2210, 2310, 2500, 2510, 3030, 3060, 3120, 3250, 3330, 3440, 3460, 3490, 3675, 3770 History/Art History 2701 History 3525/Anthropology 3525/Archaeology 3525 Economics 3630, the former History 3630 6 credit hours in 4000-level History courses which is in addition to History 4950 The following 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. 15 credit hours chosen from: Anthropology 1031, Anthropology/Folklore/Sociology 2230, Classics 2055, Classics 3700, Economics <u>1010 (or the former 2010)</u>, Economics <u>1020 (or the former 2020)</u>, English 2005, English 2006, English 2007, Folklore 1000, Folklore 2401, French 1501 French 1502, French 2100, French 2101, French 2601, French 2602, 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 2200, Political Science 2800, Religious Studies 2013, Religious Studies 2050, Religious Studies 2051, Sociology 1000, Sociology 2120, Sociology 3040, Sociology 3150, Sociology 3160 No more than 6 credit hours from any one discipline will be counted toward Historical Studies Major.</p>	
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Page 194, 2016-2017 Calendar, under the heading 7.2.6 Bachelor of Arts with Major in Tourism Studies, amend the calendar entry as follows:

“7.2.6 Bachelor of Arts with Major in Tourism Studies

Table 6 Bachelor of Arts with Major in Tourism Studies

Required Courses	Elective Courses
Courses as outlined under Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement	Courses to make up the total of 120 credit hours, other than those required for the core program. Of these courses, not more than 6 credit hours shall be from courses in the Tourism Studies program.
60 credit hours as follows: <ul style="list-style-type: none"> French 1501 and 1502 Economics <u>1010 (or the former 2010)</u> and <u>1020 (or the former 2020)</u> 	<ul style="list-style-type: none"> A minor comprised of 8 courses, 24 credit hours chosen from Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 5 Minor Program Offered by the

<ul style="list-style-type: none"> • Business 1010 • 3 credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550 • 33 credit hours in Tourism consisting of Tourism Studies 1000, 1100, 2000, 2201, 3100, 3240, 3800, 3900, 4010, 3 credit hours from 4900-4910, and 4950. • 3 additional credit hours in Tourism Studies electives taken at the 2000 level. • 6 additional credit hours in Tourism Studies electives taken at the 3000 or 4000 levels. • a minimum of 24 credit hours in an approved minor concentration area other than that of the Major 	<p>School of Fine Arts, or from Table 12 Minor Programs Offered by the School of Science and Environment. As an alternative to a Minor, a second Major may be completed.</p>
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Page 195, 2016-2017 Calendar, under the heading 7.2.6.2 Articulation Agreement – Bachelor of Arts with Major in Tourism Studies for Graduates of the Two-Year Hospitality Management Diploma Program Offered by the College of the North Atlantic, amend the calendar entry to read as follows:

“7.2.6.2 Articulation Agreement – Bachelor of Arts with Major in Tourism Studies for Graduates of the Two-Year Hospitality Management Diploma Program Offered by the College of the North Atlantic

Table 8 Bachelor of Arts with Major in Tourism Studies for Graduates of the Two-Year Hospitality Management Diploma Program Offered by the College of the North Atlantic

Required Courses	Elective Courses
<p>75 credit hours as follows:</p> <ul style="list-style-type: none"> • English 1000 and 1001 • French 1501 and 1502 • Economics <u>1010 (or the former 2010)</u> and <u>1020 (or the former 2020)</u> • 3 credit hours chosen from Geography 3222, Psychology 2925, Sociology 3040, Statistics 2500, Statistics 2550 • 24 credit hours in Tourism Studies as follows: Tourism 1100, 2000, 3100, 3240, 3900, 4010, 3 credit hours from 4900-4910, and 4950 • 24 credit hours in Minor program 	<p>6 credit hours in electives</p> <p>When selecting courses for minor or electives, students must select 6 credit hours from Breadth of Knowledge Requirement, Group C as indicated under Grenfell Campus Core Program Requirements</p>

Page 196, 2016-2017 Calendar, under the heading 7.2.7 Bachelor of Business Administration, amend the calendar entry as follows:

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“7.2.7 Bachelor of Business Administration

Table 10 Bachelor of Business Administration

Term	Required Courses	Elective Courses
Year 1	<ul style="list-style-type: none"> • BUSN 1010 • BUSN 1020 • Economics <u>1010 (or the former 2010)</u> • Economics <u>1020 (or the former 2020)</u> • 6 credit hours in first-year English (students are strongly encouraged to take English 1110) • Mathematics 1000 	9 credit hours selected from Electives below
Year 2	<ul style="list-style-type: none"> • BUSN 2020 • BUSN 2100 • BUSN 2110 • BUSN 2200 • BUSN 2250 • BUSN 2300 • BUSN 2310 • Statistics 2500 	6 credit hours selected from Electives below
Year 3	<ul style="list-style-type: none"> • BUSN 3010 • BUSN 3030 • BUSN 3300 • BUSN 3410 • BUSN 3500 • BUSN 3600 	12 credit hours selected from Electives below
Year 4	<ul style="list-style-type: none"> • BUSN 4010 • BUSN 4040 • BUSN 4070 	21 credit hours selected from Electives below
Electives <ul style="list-style-type: none"> • a minimum of 15 credit hours but no more than 24 credit hours shall be chosen from Table 11 Business Electives. These credit hours may be completed in any semester or year of the program. • a minimum of 24 credit hours but no more than 33 credit hours, other than those listed in Table 11 Business Electives, may be chosen to make up the total of 120 credit hours required for the degree. These credit hours shall be completed in any semester or year of the program. 		

Page 197, 2016-2017 Calendar, under the heading 7.2.7.2 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic, amend the calendar entry as follows:

“7.2.7.2 Articulation Agreement - Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

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Table 13 Bachelor of Business Administration for Graduates of the Two-Year Business Administration (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

Term	Required Courses	Elective Courses
Year 1	<ul style="list-style-type: none"> • BUSN 2110 • BUSN 2310 • BUSN 3500 • BUSN 3600 • Economics <u>1020 (or the former 2020)</u> • 3 credit hours in first-year English (students are strongly encouraged to take English 1110) • Mathematics 1000 	9 credit hours selected from Electives below
Year 2	<ul style="list-style-type: none"> • BUSN 3010 • BUSN 3410 • BUSN 4010 • BUSN 4040 • BUSN 4070 	15 credit hours selected from Electives below
Electives 9 credit hours chosen from Table 11 Business Electives which may be completed in any semester or year of the program 15 credit hours other than those listed in Table 11 Business Electives which may be completed in any semester or year of the program		

Page 199, 2016-2017 Calendar, under the heading 7.2.7.6 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic, amend the calendar entry as follows:

“7.2.7.6 Articulation Agreement - Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

Table 16 Bachelor of Business Administration for Graduates of the Three-Year Business Management (Human Resource Management) Diploma Program Offered by the College of the North Atlantic

Term	Required Courses	Elective Courses
Fall	<ul style="list-style-type: none"> • BUSN 3500 • BUSN 4010 • Economics <u>1020 (or the former 2020)</u> • 3 credit hours in first-year English • Mathematics 1000 	
Winter	<ul style="list-style-type: none"> • BUSN 2110 • BUSN 3410 • BUSN 4040 	<ul style="list-style-type: none"> • 6 credit hours selected from Electives below

Spring	<ul style="list-style-type: none"> • BUSN 2310 • BUSN 3010 • BUSN 4070 	<ul style="list-style-type: none"> • 6 credit hours selected from Electives below
Electives <ul style="list-style-type: none"> • 12 credit hours other than those listed in Table 11 Business Electives which may be completed in any semester or year of the program 		

Page 202, 2016-2017 Calendar, under the heading 7.2.12 Minor Programs Offered by the School of Arts and Social Science, amend the calendar entry as follows:

“7.2.12 Minor Programs Offered by the School of Arts and Social Science

Table 19 Minor Programs Offered by the School of Arts and Social Science

Business Minor <ul style="list-style-type: none"> • Business 1010, 1020 • 9 credit hours in Business courses from the Grenfell Campus offerings at the 2000-level or above • 9 credit hours in Business courses from the Grenfell Campus offerings at the 3000-level or above 	<ul style="list-style-type: none"> • Historical Studies Minor • History 1100 and 1101 • History 3840 • 3 credit hours at 3000 level in History • 3 credit hours at 4000 level in History • additional 9 credit hours in History
<ul style="list-style-type: none"> • Canadian Studies Minor • 15 credit hours chosen from at least four different disciplines: • English 2146, English 2156 • French 1502, French 2601, French 2602 • History 2200, History 2210 • Political Science 1010, Political Science 2710, Political Science 2711 • Sociology/Anthropology 2240 • 9 additional credit hours in courses from at least two different disciplines: • Art History 3710, Art History 3711 • English 3145, English 3147, English 3148, English 3149, English 4307, English 4825-35 • Folklore 4300 • History 2120, History 3520/Anthropology 3520/Archaeology 3520, History 3525/Anthropology 3525/Archaeology 3525, History 4254 • Political Science 3731 • Sociology 3395 	<ul style="list-style-type: none"> • Humanities Minor • Humanities 1001 and 1002 • 6 credit hours from Humanities 2001, 2002 or 2010 • 12 credit hours from Humanities 3001, 3002, 3010, 3020, 3021, 4001, 4010; one of 3100-3109; one of 4020-4029
Classics Minor <ul style="list-style-type: none"> • Classics 1100 and 1200 • Classics 2035 and 2040 • 3 credit hours at the 3000 level • 9 additional credit hours in Classics 	<ul style="list-style-type: none"> • Philosophy Minor • Philosophy 1200, 1600, 2210, 2551, 2561 • 9 additional credit hours in Philosophy, of which at least 3 credit hours must be at the 3000- or 4000-level

<ul style="list-style-type: none"> • Economics Minor • Economics 1010 (or the former 2010), 1020 (or the former 2020), 3000, 3010 • 12 additional credit hours in Economics of which at least 6 must be at the 3000 or 4000-level 	<ul style="list-style-type: none"> • Psychology Minor • Psychology 1000, 1001 • 18 credit hours in Psychology at the 2000 level or above
<ul style="list-style-type: none"> • English Minor • 6 credit hours at 1000 level in English • 6 credit hours from English 2005, 2006 and 2007 • 3 credit hours from English 3205 or 3206 • 9 additional credit hours in English electives; 3 credit hours must be chosen from courses having an initial digit "3" or "4" 	<ul style="list-style-type: none"> • Religious Studies Minor • 24 credit hours in Religious Studies with no more than 6 credit hours at 1000 level and at least 9 credit hours at 3000 level or above.
<ul style="list-style-type: none"> • Folklore Minor • Folklore 1000, 2100, 2300, 2401, 2500 • 9 additional credit hours in Folklore 	<ul style="list-style-type: none"> • Social/Cultural Studies Minor • Anthropology 1031, Folklore 1000, Sociology 1000 • Anthropology 2410 or Sociology 3150 • Folklore 2100 or Sociology 3040 • 3 additional credit hours in each of Anthropology, Folklore, and Sociology
<ul style="list-style-type: none"> • French Minor • No more than 6 credit hours at the 1000 level and no more than 6 transfer credits may be used to fulfill the minimum requirement of the minor in French. • French 2100 and 2101 • French 3100 or French 3101 • 15 additional credit hours in French 	<ul style="list-style-type: none"> • Sociology Minor • Sociology 1000, 3040, 3150 • 15 credit hours in Sociology; at least 6 credit hours must be at the 3000 or 4000 level
<ul style="list-style-type: none"> • Geography Minor • Geography 1050, 2001, 2102, 2195, 2302, 2425 • 6 additional credit hours in Geography which must be at the 3000 or 4000 level. 	<ul style="list-style-type: none"> •
<p>Students for the Bachelor of Arts and Bachelor of Science degrees offered by the School of Arts and Social Science may complete a minor offered by the School of Arts and Social Science, the School of Fine Arts, or the School of Science and Environment. See Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 5 Minor Program Offered by the School of Fine Arts, or from Table 12 Minor Programs Offered by the School of Science and Environment.</p>	

Page 206, 2016-2017 Calendar, under the heading 7.4.1 Bachelor of Arts with Major in Environmental Studies, amend the calendar entry as follows:

“7.4.1 Bachelor of Arts with Major in Environmental Studies

Table 1 Bachelor of Arts with Major in Environmental Studies

Required Courses	Elective Courses
Courses as outlined under Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement	Environmental Studies Electives <ul style="list-style-type: none"> • 18 credit hours from Environmental Studies electives, from which at least 6 credit hours must be at the 3000-or 4000-level, chosen in consultation with a faculty advisor as follows: • Anthropology 3080, 3083 • Biology 1001, 1002, 2600

	<ul style="list-style-type: none"> • Chemistry 1001, 1200 • Earth Sciences 1000, 1002 • Economics <u>1020 (or the former 2020)</u> • Environmental Science 2261, 2360, 2369, 2370, 2371, 3072, 4140 (or field course acceptable to the Chair of Environmental Studies) • Environmental Studies 3000, 3085, 3210, 4020-4039 • Folklore 2100, 2401, 4480 • Geography 2302, 3350 • History 3030, 4480 • Humanities 3020 • Human Kinetics and Recreation 3555, 3565, 4555, 4575 • Philosophy 2561 • Political Science 3550, 3731, 4650 • Religious Studies 3880 • Sociology 2120 • Sustainable Resource Management 2000, 3000, 3001, 3002, 4000, 4002, 4003
Environmental Studies Core <ul style="list-style-type: none"> • Earth Sciences 1000 or Environmental Science 2370 • Economics <u>1010 (or the former 2010)</u> • Environmental Studies 1000, 2000, 2210 or 2220, 3000, 3001, 3085, 4000, 4010, 4950 • Geography 1050, 2001, 2102, 2425, 3222 • Political Science 2600 and one of 3550 or 3731 • Sustainable Resource Management 4002 or 4003 • 3 credit hours chosen from Anthropology 3083 or Philosophy 2561, History 3030, Religious Studies 3880 	Other Elective Courses <ul style="list-style-type: none"> • Elective courses to make up the total of 120 credit hours, other than those required for the Grenfell Campus Core Program Requirement and Major/Minor requirements, may be chosen according to the following guidelines: • Any courses in arts, social science, science and fine arts and • Up to 15 credit hours in other subject areas.
	<ul style="list-style-type: none"> • If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 5 Minor Program Offered by the School of Fine Arts, or from Table 12 Minor Programs Offered by the School of Science and Environment.

Page 207, 2016-2017 Calendar, under the heading 7.4.1.1 Articulation Agreement – Bachelor of Arts with Major in Environmental Studies for Students who have Graduated From the Two-Year Adventure Tourism Diploma Program offered by the College of the North Atlantic, amend the calendar entry to read as follows:

“7.4.1.1 Articulation Agreement – Bachelor of Arts with Major in Environmental Studies for Students who have Graduated From the Two-Year Adventure Tourism Diploma Program offered by the College of the North Atlantic

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Table 2 Bachelor of Arts with Major in Environmental Studies for Students who have Graduated From the Two-Year Adventure Tourism Diploma Program Offered by the College of the North Atlantic

Required Courses	Electives
6 credit hours in 1000-level English courses 45 credit hours as follows: <ul style="list-style-type: none"> • Earth Sciences 1000 or Environmental Science 2370 • Economics 1010 (or the former 2010) • Environmental Studies 2000, 3000 or 3085, 3001, 4000, 4010, 4950 • Geography 1050, 2001, 2102, 2425, 3222 • 3 credit hours chosen from Political Science 2600, 3550, 3731 • 3 credit hours chosen from Anthropology 3083, History 3030, Philosophy 2561, or Religious Studies 3880 	Environmental Studies Electives <ul style="list-style-type: none"> • 9 credit hours from Environmental Studies electives below, from which at least 6 credit hours must be at the 3000-or 4000-level, chosen in consultation with a faculty advisor as follows: <ul style="list-style-type: none"> • Anthropology 3080, 3083 • Biology 1001, 1002, 2600 • Chemistry 1001, 1200 • Earth Sciences 1000, 1002 • Economics 1020 (or the former 2020) • Environmental Science 2261, 2360, 2369, 2370, 2371, 3072, 4140 (or field course acceptable to the Chair of Environmental Studies) • Environmental Studies 3000, 3085, 4020-4039 • Folklore 2100, 2401, 4480 • Geography 2302, 3350 • History 3030, 4480 • Humanities 3020 • Human Kinetics and Recreation 3565, 4575 • Philosophy 2561 • Political Science 3550, 3731, 4650 • Religious Studies 3880 • Sociology 2120 • Sustainable Resource Management 2000, 3000, 3001, 3002, 4000, 4002, 4003 • When selecting elective or core courses, students must complete 6 credit hours to satisfy Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Group A.

Page 208, 2016-2017 Calendar, under the heading 7.4.2 Bachelor of Resource Management with Major in Sustainable Resource Management, amend the calendar entry as follows:

“7.4.2 Bachelor of Resource Management with Major in Sustainable Resource Management

Table 3 Bachelor of Resource Management with Major in Sustainable Resource Management

Required Courses	Elective Courses
Courses as outlined under Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative	33 credit hours in elective courses. When selecting electives, students are reminded that the Core Requirements for a Grenfell Campus degree program

Reasoning and Analysis Requirement	must be met.
87 credit hours as follows: <ul style="list-style-type: none"> • Biology 1001, 1002, 2600 • Chemistry 1200 and 1001, or equivalent • Economics <u>1010 (or the former 2010)</u> • Environmental Studies 2000, 3000, 3001, 4000 • Geography 1050, 2425 • Statistics 2500 • Sustainable Resource Management 2000, 2001, 3000, 3001, 3002, 4000, 4001, 4002 or 4003, 4010, 4950 • 6 credit hours from Biology 2010, Biology 2122, Biology 2210, Environmental Science 2371, Environmental Science 2369 • 3 credit hours from Earth Sciences 3811, Environmental Science 3072, 3110, 3130, 3131, 4132 • 6 credit hours in first-year English • 3 credit hours from Philosophy 2561, Political Science 3550, Religious Studies 3880 	

Page 208, 2016-2017 Calendar, under the heading 7.4.2.1 Articulation Agreement - Bachelor of Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic, amend the calendar entry as follows:

“7.4.2.1 Articulation Agreement - Bachelor of Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic

Table 4 Bachelor of Resource Management for Graduates of the Two-Year Fish and Wildlife Technician Diploma Program Offered by the College of the North Atlantic

Required Courses	Elective Courses
54 credit hours as follows: <ul style="list-style-type: none"> • Chemistry 1200, 1001 • Economics <u>1010 (or the former 2010)</u> • English 1000 • Environmental Studies 3000, 3001, 4000 • Geography 1050 • Sustainable Resource Management 2000, 2001, 3000, 3001, 3002, 4000, 4001, 4010, 4950 • 3 credit hours from Environmental Science 3072, 3110, 3130, 3131 or Earth Sciences 3811 	6 credit hours in elective courses of which 3 credit hours must be chosen from Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, or Visual Arts

Page 209, 2016-2017 Calendar, under the heading 7.4.2.2 Articulation Agreement - Bachelor of Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic, amend the calendar entry as follows:

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“7.4.2.2 Articulation Agreement - Bachelor of Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic

Table 5 Bachelor of Resource Management for Graduates of the Two-Year Forest Resources Technician Diploma Program Offered by the College of the North Atlantic

Required Courses	Elective Courses
57 credit hours as follows: <ul style="list-style-type: none"> • Biology 1002, 2600 • Chemistry 1200, 1001 • Economics 1010 (or the former 2010) • English 1000 • Environmental Studies 3000, 3001, 4000 • Geography 1050 • Sustainable Resource Management 2000, 2001, 3000, 3001, 3002, 4000, 4001, 4010, 4950 	3 credit hours in elective courses chosen from Art History, Classics, English, History, Humanities, Languages, Philosophy, Religious Studies, Theatre, or Visual Arts.

Page 210, 2016-2017 Calendar, under the heading 7.4.4 Bachelor of Science with Major in Environmental Science, amend the calendar entry as follows:

“7.4.4 Bachelor of Science with Major in Environmental Science

Table 7 Bachelor of Science with Major in Environmental Science

Required Courses	Elective Courses
Courses as outlined under Grenfell Campus Core Program Requirements, Breadth of Knowledge Requirement, Literacy Requirement, and Quantitative Reasoning and Analysis Requirement.	Elective courses to make up the total of 120 credit hours, other than those required for the Grenfell Campus Core Program Requirement and Major/Minor requirements, may be chosen according to the following guidelines: <ul style="list-style-type: none"> • Any courses in arts, social science, science and fine arts and • Up to 15 credit hours in other subject areas.
<ul style="list-style-type: none"> • Environmental Science Core • 45 credit hours as follows: • Biology 1001, 1002, 2600 • Earth Sciences 1000 • Mathematics 1000 (or 1080 and 1081), Statistics 2550 or equivalent • One of Physics 1020 or 1050 and one of Physics 1021 or 1051 • Environmental Science 4000 • Environmental Science 4950 (or 4951) 	<ul style="list-style-type: none"> • If a student decides to complete a minor, it must be comprised of 8 courses, 24 credit hours chosen from Table 19 Minor Programs Offered by the School of Arts and Social Science, or from Table 5 Minor Program Offered by the School of Fine Arts, or from Table 12 Minor Programs Offered by the School of Science and Environment.

<ul style="list-style-type: none"> • a minimum of 6 credit hours chosen from Anthropology 3083, Economics 1010 (or the former 2010), Environmental Studies 3000, Environmental Studies 4000, Philosophy 2561, Political Science 3550, Political Science 3731, Religious Studies 3880 • a minimum of 9 credit hours chosen from Environmental Science 2261, Environmental Science 2360, Environmental Science 2370, Environmental Science 2371, Environmental Science 2430, Environmental Science 2450, Environmental Science 3072, Environmental Science 3470, Environmental Studies 2000 (this course is strongly recommended for the Biology Stream of the Environmental Science program) <p>It is strongly recommended that students considering the Chemistry stream of the Environmental Science program complete Mathematics 1000, Physics 1020 or 1050 and one of Physics 1021 or 1051 in their first year.</p>	
<ul style="list-style-type: none"> • Environmental Science Streams • 39 credit hours in one of the following streams: • Biology stream • Biology 2010, 2122 • Chemistry 1200/1001 sequence or Chemistry 1050/1051 sequence, and one of Chemistry 2210 or Chemistry 2301 or 2440 or 2400/2401 sequence, or Chemistry 1010/1011 sequence and Chemistry 2440 • Environmental Science 3110, 3130 3131, 4132, 4140 (or equivalent field course) • Two of Environmental Science 4069, 4131, 4133, 4240, 4479 • one additional laboratory (Science/Statistics/GIS) course beyond the first year level excluding Environmental Science Core courses. A course used to fulfill a stream requirement cannot also be used as a Group C course in the Environmental Science Core. • Chemistry stream • Chemistry 1200/1001 sequence or Chemistry 1050/1051 sequence. It is strongly recommended that students complete one of these sequences of Chemistry courses in their first year. • Chemistry 2210, 2301/2302, Chemistry 2400/2401 or equivalent • Environmental Science 2261, 3210, 3211, 3260, 3261, 4230 • Two of Environmental Science 4069, 4131, 4240, 4249, 4479 • Mathematics 1001 which should be completed in the first year of studies 	<ul style="list-style-type: none"> •

Page 211, 2016-2017 Calendar, under the heading 7.4.4.1 Articulation Agreement - Bachelor of Science with Major in Environmental Science for Graduates of the Three-Year Environmental Technology Diploma Program Offered by the College of the North Atlantic, amend the calendar entry as follows:

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“7.4.4.1 Articulation Agreement - Bachelor of Science with Major in Environmental Science for Graduates of the Three-Year Environmental Technology Diploma Program Offered by the College of the North Atlantic

Table 8 Bachelor of Science with Major in Environmental Science for Graduates of the Three-Year Environmental Technology Diploma Program Offered by the College of the North Atlantic

Required Courses
6 credit hours from Group A Breadth of Knowledge Requirement and 21 credit hours in additional designated Writing courses which may include Environmental Science core and stream courses
<ul style="list-style-type: none"> • Environmental Science Core • Biology 2600 • Environmental Science 4000 • Environmental Science 4950 • Statistics 2550 or equivalent • 6 credit hours from Anthropology 3083, Economics 1010 (or the former 2010), Environmental Studies 3000, Philosophy 2561, Political Science 3731, Political Science 3550, Religious Studies 3880 • 9 credit hours from Environmental Science 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470, Environmental Studies 2000 or equivalent
one of the following streams:
Biology Stream <ul style="list-style-type: none"> • Biology 2010, 2122 • the former Chemistry 2300 or 2440 or 2400/2401 • Environmental Science 3110, 3130, 3131, 4132, 4140 (or an equivalent field course) • 6 credit hours from Environmental Science 4069, 4131, 4133, 4240, 4479 • 3 credit hours in an additional science or statistics laboratory course at the 2000 level or higher, excluding Environmental Science core courses
Chemistry Stream <ul style="list-style-type: none"> • Chemistry 2210, the former 2300, 2400, 2401 • Environmental Science 2261, 3210, 3211, 3260, 3261, 4230 • 6 credit hours from Environmental Science 4069, 4131, 4240, 4249, 4479

Page 220, 2016-2017 Calendar, under the heading 13.4.1 Core Program Course Descriptions, amend the calendar entry as follows:

“3500 Financial Management I introduces the concepts of financial management in Canadian capital markets. Focus will be on financial analysis and forecasting; working capital management; time value of money; and financing options.

CR: Business 4500, the former Business 4110

PR: Economics 1010 (or the former 2010) and Statistics 2500

4040 International Business Management focuses on issues of globalization and the role of business in the global economy. Topics include the role of multinational corporations in economic development, market entry strategies for small- and medium-sized enterprises, the challenges of managing economic, cultural, and

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technological changes and differences, the role of international investment and FDI, as well as international business strategies required to compete in today's highly interconnected world. Students will gain the skills to function within the international and global business context.

CR: Business 5302, the former Business 7302

PR: BUSN 1010 or Business 1000, Economics 1010 (or the former 2010), and Economics 1020 (or the former 2020)”

Page 243, 2016-2017 Calendar, under the heading 13.32.1 Core Program Course Descriptions, amend the calendar entry as follows:

“3100 Resource Valuation and Tourism Activity Impact Assessments considers contemporary issues in the allocation of scarce natural and cultural resources demanded by tourism activity, and the determinants of the demand and supply for tourism recreation. Students will examine the impacts of those tourism and leisure activities upon natural systems (e.g., cultural, ecological, socio-cultural, etc.) and economies, (local, regional, etc.). Visitor impacts will also be considered.

PR: Statistics course, Economics 1010 (or the former 2010) and Economics 1020 (or the former 2020). Students must have officially declared a Major in Tourism Studies, a Minor in Tourism Studies, or have been accepted into the Advanced Diploma program in Tourism Studies”

60.22 Department of History

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry as follows:

~~“1009 Themes in Ancient and Medieval History will introduce students to the methodology of studying ancient and/or medieval history through a close examination of textual and material remains. The course will be taught around a particular theme and/or historical period each year.~~

~~CR: cannot receive credit for more than two first year courses in History~~

~~1010 Themes in the Age of Expansion is a thematic examination of European interaction with the North Atlantic and the Americas from the voyages of discovery to the independence movements of the Americas.~~

~~CR: cannot receive credit for more than two first year courses in History~~

~~1011 Themes in Modern European History is a thematic examination of the political, economic, social and cultural developments in Europe and the wider world from the French Revolution to World War I.~~

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~~CR: cannot receive credit for more than two first-year courses in History~~

~~1012 Themes in Twentieth Century World History will examine some of the major themes in twentieth-century world history after 1914.~~

~~CR: cannot receive credit for more than two first-year courses in History~~

~~1013 Themes in Canadian History will examine the historical context for various contemporary problems being experienced by Canadians.~~

~~CR: cannot receive credit for more than two first-year courses in History~~

~~1014 Themes in United States History will examine several historical themes or problems in the history of the United States.~~

~~CR: cannot receive credit for more than two first-year courses in History~~

~~1015 Themes in Social and Cultural History introduces students to early modern western history (1500—1800) through the study of original texts. It will combine lectures on the historical background to the texts, discussion of them and analysis of their meanings in assigned essays.~~

~~CR: cannot receive credit for more than two first-year courses in History~~

1009 Critical Reading and Writing: The Medieval and Ancient World introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on the medieval and/or the ancient world. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1010 Critical Reading and Writing: The Americas introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on the Americas. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1011 Critical Reading and Writing: Modern Europe introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and

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assignments on modern Europe. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1012 Critical Reading and Writing: The Twentieth Century introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on the twentieth century. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1013 Critical Reading and Writing: Canada introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on Canada. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1014 Critical Reading and Writing: The United States introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on the United States. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.

1015 Critical Reading and Writing: Social and Cultural History introduces students to reading and writing skills required for success in university, including the analysis of scholarly literature and primary sources. Significant class time is spent on instruction in these skills. Students practice analytical reading and writing through class discussion and assignments on themes in social and cultural history. All sections of this course follow CRW guidelines available at www.mun.ca/hss/crw.”

Page 326, 2016-2017 Calendar, under the heading 11.13.3 General Degree, amend the calendar entry as follows:

“11.13.3 General Degree

1. Students should consult the Regulations for the General Degree of Bachelor of Arts in addition to the regulations listed below.
2. ~~Any one of History 1009-1016~~ Any one of History 1005, 1009-1015 forms the introduction to the practice of history. Third and fourth-year students taking History courses as electives or to satisfy Regulations for the General Degree of Bachelor of Arts are encouraged

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to enrol in the Department's second-year courses.

3. All students who Major in History will be assisted by a faculty advisor who will help them in planning their academic programs. It is essential that students register with the Department at an early stage of their studies.”

Page 278, 2016-2017 Calendar, under the heading 5.1.2.2 Critical Reading and Writing (CRW) Requirement, amend the calendar entry to read 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/hss/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 Humanities and Social Sciences course whose title begins with “Critical Reading and Writing” chosen from the following eligible courses: Archaeology 1001, English 1080, 1101, 1102, 1103, 1110, Gender Studies 2005, German 1010, History 1005, 1009-1015, 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.”

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry as follows:

~~“1016 Themes in Aboriginal History will examine selected themes and issues in North American Aboriginal history.~~

~~CR: cannot receive credit for more than two first-year courses in History~~

1005 Critical Reading and Writing in Aboriginal and Indigenous Studies (same as Archaeology 1005) 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 Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw.

CR: Archaeology 1005, the former HIST 1016

Abbreviated Course Title: CRW Aboriginal & Indigenous St.”

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These courses should be retroactively treated as CRWs for the 2016-17 Calendar.

Page 347, 2016-2017 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

“1005 Critical Reading and Writing in Aboriginal and Indigenous Studies (same as History 1005) 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 Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw.
CR: History 1005, the former History 1016”

Page 292, 2016-2017 Calendar, under the heading 8.4.3 Regulations for the Certificate in Aboriginal and Indigenous Studies, amend the calendar entry as follows:

“8.4.3 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. ~~Archaeology 1005~~ Archaeology/History 1005;
2. 15 credit hours chosen from **Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies**, including a minimum of 3 credit hours from the "Past" column and a minimum of 3 credit hours from the "Present" column; and.
3. Law and Society 3012 or 3014.

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Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies

Theory Courses	"Past" Courses	"Present" Courses
<ul style="list-style-type: none"> ○ Archaeology 1005 <u>Archaeology/History 1005</u> ○ Law and Society 3012, 3014 	Archaeology 2481, 3290, 3291, 3510, 3588, 3590 Archaeology/History 3520, 3525 History 2800, 3765	Anthropology 2414, 3070, 3240 English 2160 Linguistics 2060 Political Science 3830

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**.

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 Sciences 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

First 3 credit hours: Archaeology 1005 <u>Archaeology/History 1005</u>
Next 15 credit hours: Complete an additional five courses selected from <u>Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies</u> , including at least one "Past" course and at least one "Present" course
Last 3 credit hours: Choose from Law and Society 3012 or Law and Society 3014 (Certificate total is 7 courses)

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry to read as follows:

“3811 The Menace of Progress: Colonialism and the Making of the Modern World encourages students to think critically about ideas of progress, enlightenment, and civilization by examining the emergence of the modern world and its relationship to colonialism. It explores the rise of the West by examining global history since the fifteenth century. Course topics include the transatlantic slave trade, enclosure, the destruction of Indian cotton manufacturing, and consumer culture.
Abbreviated Course Title: Menace of Progress

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3800-3830 (Excluding 3801, 3806, 3807, 3811, 3813, 3821, 3822) **Contemporary Problems in Historical Perspective** is an analysis of developments leading to a contemporary issue or problem selected each year or semester. Aspects to be studied will be posted on the Department of History website.

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

4429 Remembering War introduces students to the concepts of private and collective memory by focusing on the relationship between memory, violence, and armed conflict. This course will explore a number of themes, including but not limited to ideas about citizenship, community, cross-cultural encounters, architecture, heroes and heroines, governance, modernity, masculinity, femininity, trauma, and politics.

Abbreviated Course Title: Remembering War

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

4220 Aboriginal Peoples and the Environment examines the stereotypes, generalizations, and actual ways in which Aboriginal peoples interacted with the environment from the pre-European contact period to the present in North America. Course topics include: conservation, preservation and overhunting of mega-fauna, bison, beaver and other animals; ecological manipulation, despoliation, and restoration; traditional and scientific ecological knowledge; and the creation and legacy of the "Ecological Indian" ideal in literature, film, tourism and political activism.

Abbreviated Course Title: Aboriginals and the Environment

4210-4229 (Excluding 4212, 4213, 4214, 4216, 4219, 4220, 4222) **Special Topics in North American History** are specialized studies in the history of North America. Aspects to be studied will be posted on the Department of History website."

60.23 Department of Religious Studies

Page 383, 2016-2017 Calendar, under the heading 12.25 Religious Studies, amend the calendar entry as follows:

"2180 Jerusalem and the Politics of Sacred Space takes a social-constructivist approach in examining how narrative, ritual, and architecture are deployed in making a place sacred. The focus is on the city of Jerusalem, its place in the history and symbolism of three religious traditions (Judaism, Christianity and Islam), and the potential

Department of Religious Studies (cont'd)

tensions and conflicts involved in processes of creating sacred geographies.

Abbreviated Course Title: Jerusalem”

Page 342, 2016-2017 Calendar, under the heading 11.20.4.1 Major in Religious Studies, amend the calendar entry as follows:

“11.20.4.1 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. 2050, 2051, 2130, 2140, 2330, 2340, 3000, 3031, 3060, 3091, 3200, 3210, 3251, 3272, 3276, 3305, 3310, 3510, 3535, 3560, 3900, 3901.
- b. 2400, 2410, 2415, 2420, 2425, 2430, 3401, 3411, 3415, 3431, 3432.
- c. 2180, 2610, 2810, 2811, 2812, 2820, 2830, 2850, 3058, 3640, 3650, 3680, 3800, 3810, 3811, 3812, 3820, 3830, 3840, 3860, 3880.”

60.24 Department of Sociology

Page 385, 2016-2017 Calendar, under the heading 12.27 Sociology, amend the calendar entry as follows:

“4205 Indigenous Peoples and the City examines the migration of Indigenous Peoples to urban centres. Students will critically consider nationhood, affiliation, ethnicity, gender, and class as these structures relate to Indigenous Peoples, urban living, identity and culture. Students will further decolonize their understanding of Indigenous Peoples and participation in urban society.

Abbreviated Course Title Indigenous Peoples & the City

4200-4220 (Excluding 4201, 4204, 4205, 4208, 4212 and 4213) Special Topics in Sociology will have topics to be studied announced by the Department.

PR: SOCI 3040, 3150”

60.25 Faculty of Humanities and Social Sciences

Page 285, 2016-2017 Calendar, under the heading 7.1 General Regulations for Diploma Programs, amend the calendar entry as follows:

Faculty of Humanities and Social Sciences (cont'd)

“7.1 General Regulations for Diploma Programs

6. A student may apply to the Committee on Undergraduate Studies to have a maximum of 3 credit hours from an Honours essay course applied to a diploma program. It must be clearly demonstrated that the entirety of the Honours essay course content is relevant to the program. This may not be used to substitute credit hours in a core course.

7. Due to their temporary nature, “special topics” courses are not listed in the entries for a diploma 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 291, 2016-2017 Calendar, under the heading 8 Certificate Programs Offered in the Faculty of Humanities and Social Sciences, amend the calendar entry and renumber subsequent sections as follows:

“8 Certificate Programs Offered in the Faculty of Humanities and Social Sciences

8.1 General Regulations for Certificate Programs

1. A certificate program is administered by a Program Coordinator. The Coordinator is normally affiliated with the Faculty of Humanities and Social Sciences department that is primarily responsible for the Program’s administration.
2. Certificate programs consist of between 18 and 21 credit hours in courses as specified in individual programs.
3. Courses satisfying the Honours, Major, Minor and elective components of an undergraduate degree may also be used to satisfy the requirements of a certificate program. Departmental prerequisites for courses are applicable. This may increase the number of stated courses required for completion of the certificate program. Such courses may be eligible towards other components of the Bachelor of Arts.
4. 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 listed under two or more departments).
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 certificate program.
6. Due to their temporary nature, “special topics” courses are not listed in the entries for a certificate program. However, a special topics course may be included in a student’s program of study with permission from the Committee on Undergraduate Studies.”

Faculty of Humanities and Social Sciences (cont'd)

Page 286, 2016-2017 Calendar, under the heading 7.4 Diploma in Ancient Worlds, amend the calendar entry as follows:

“7.4 Diploma in Ancient Worlds

www.mun.ca/hss/ancientworlds

The Diploma in Ancient Worlds is administered by the Department of Archaeology.

Program Coordinator: Head, Department of Archaeology

The Diploma in Ancient Worlds is designed for those who are interested in the study of the history, customs, and culture of the Ancient World. The program's objective is to offer students a representative breadth of knowledge about the Ancient World. It is structured around introductory and advanced courses in Archaeology, Classics, History, Philosophy, and Religious Studies and promotes familiarity with at least three disciplines among the five offered. The program also includes a field school course, to be chosen from two field schools offered by the Department of Archaeology. The core skills and competencies taught in the course of the program will prepare students for pursuing studies in a variety of interdisciplinary fields. ~~The program is coordinated by the Department of Archaeology.”~~

Page 287, 2016-2017 Calendar, under the heading 7.6 Diploma in Creative Writing, amend the calendar entry as follows:

“7.6 Diploma in Creative Writing

<http://www.mun.ca/english/programs/diplomas/CreativeWriting.php>

The Diploma in Creative Writing is administered by the Department of English.

Program Coordinator: Dr. R. Finley, Department of English”

Page 287, 2016-2017 Calendar, under the heading 7.7 Diploma in Geographic Information Sciences, amend the calendar entry as follows:

“7.7 Diploma in Geographic Information Sciences

www.mun.ca/geog/undergraduate/GISciences

The Diploma in Geographic Information Sciences is administered by the Department of Geography.

Faculty of Humanities and Social Sciences (cont'd)

Program Coordinator: Dr. É. Simms, Department of Geography”

Page 288, 2016-2017 Calendar, under the heading 7.8 Diploma in Humanities, amend the calendar entry as follows:

“7.8 Diploma in Humanities

www.mun.ca/hss/programs/undergraduate/diplomas/humanities.php

The Diploma in Humanities is administered by the Department of Philosophy.

Program Coordinator: Dr. A. Sullivan, Department of Philosophy”

Page 289, 2016-2017 Calendar, under the heading 7.9 Diploma in Performance and Communications Media, amend the calendar entry as follows:

“7.9 Diploma in Performance and Communications Media

<http://www.mun.ca/english/programs/diplomas/Performance.php>

The Diploma in Performance and Communications Media is administered by the Department of English.

Program Coordinator: Dr. J. Skidmore, Department of English”

Page 290, 2016-2017 Calendar, under the heading 7.10 Diploma in Police Studies, amend the calendar entry as follows:

“7.10 Diploma in Police Studies

www.mun.ca/plst

The Diploma in Police Studies is administered by the Department of Sociology.

~~Undergraduate Advisor:~~ Program Coordinator: Dr. A. Hall, Department of Sociology”

Page 292, 2016-2017 Calendar, under the heading 8.4 Certificate in Aboriginal and Indigenous Studies, amend the calendar entry as follows:

Faculty of Humanities and Social Sciences (cont'd)

“8.4 Certificate in Aboriginal and Indigenous Studies

www.mun.ca/hss/programs/undergraduate/certificates/aboriginal_indigenous_studies.php

The Certificate in Aboriginal and Indigenous Studies is administered by the Department of Archaeology.

Program Coordinator: Dr. S. Neilsen, Department of Archaeology and Labrador Institute”

Page 293, 2016-2017 Calendar, under the heading 8.5 Certificate in Ancient Languages, amend the calendar entry as follows:

“8.5 Certificate in Ancient Languages

www.mun.ca/hss/programs/undergraduate/certificates/ancient_languages.php

The Certificate in Ancient Languages is administered by the Department of Classics.

Program Coordinator: Dr. K. Simonsen, Department of Classics

The Certificate in Ancient Languages is designed to appeal to students interested in the study of ancient languages and who wish to gain an appreciation for the origin of many modern languages. Ancient languages are languages which are no longer spoken as the first language of any living person, although they may have direct descendants in current use. They remain culturally significant as languages of religion, scholarship and literature. The Certificate also offers specialized, high-quality preparation for students interested in studying subjects such as Archaeology, Classics, History, Linguistics, Philosophy, and Religion. The Certificate will also appeal to students studying in the areas of Medicine and Law, providing them with the etymological roots of subject-specific terminology. ~~The program is coordinated by the Department of Classics.”~~

Page 293, 2016-2017 Calendar, under the heading 8.6 Certificate in Criminology, amend the calendar entry as follows:

“8.6 Certificate in Criminology

www.mun.ca/hss/programs/undergraduate/certificates/criminology.php

The Certificate in Criminology is administered by the Department of Sociology.

Faculty of Humanities and Social Sciences (cont'd)

Program Coordinator: Dr. R. Ricciardelli, Department of Sociology”

Page 294, 2016-2017 Calendar, under the heading 8.7 Certificate in Film Studies, amend the calendar as follows:

“8.7 Certificate in Film Studies

www.mun.ca/hss/programs/undergraduate/certificates/film_studies.php

The Certificate in Film Studies is administered by the Department of English.

Program Coordinator: ~~Dr. A. Brookes, Department of German and Russian~~ Dr. A. Loman, Department of English”

Page 294, 2016-2017 Calendar, following the section 8.7 Certificate in Film Studies, insert the following two new sections and renumber subsequent sections accordingly:

“8.8 Certificate in Food Studies

www.mun.ca/hss/programs/undergraduate/certificates/food_studies.php

The Certificate in Food Studies is administered by the Department of Anthropology.

Program Coordinator: Dr. L. Addison, Department of Anthropology

8.9 Certificate in Newfoundland and Labrador Studies

www.mun.ca/hss/programs/undergraduate/certificates/nlstudies.php

The Certificate in Newfoundland and Labrador Studies is administered by the Department of Folklore.

Program Coordinator: Dr. J. Gould, Department of Folklore.”

Page 295, 2016-2017 Calendar, under the heading 8.10 Certificate in Public Policy, amend the calendar entry as follows:

“8.8 Certificate in Public Policy

www.mun.ca/hss/publicpolicy

The Certificate in Public Policy is administered by the Department of Political Science.

Faculty of Humanities and Social Sciences (cont'd)

Program Coordinator: ~~Dr. C. Dunn~~, TBA, Department of Political Science

The Certificate in Public Policy is designed for those who are interested in the study of governance and policy responses to public issues. The program's objective is to provide foundational knowledge that is essential for exploring topical issues in diverse policy fields and settings. The program is structured around introductory and advanced core courses in Political Science that promote understanding of the theoretical parameters of public policy, such as the processes and mechanisms that are relied upon to define and solve policy problems. These core skills and competencies are used in the analysis and study of public policy in a variety of interdisciplinary fields. ~~The program is coordinated by the Department of Political Science.~~

Insert as the first numbered section in each of the Diploma in Ancient Worlds, Diploma in Creative Writing, Diploma in Geographic Information Sciences, Diploma in Humanities, Diploma in Performance and Communications Media, Diploma in Police Studies and renumber subsequent sections as follows:

“X.X.1 Faculty of Humanities and Social Sciences Diploma Regulations

Students intending to complete a diploma program within the Faculty of Humanities and Social Sciences must meet the *Admission* requirements as outlined in the University Calendar. Students are also advised to consult the University Calendar regarding *General Regulations for Diploma Programs and Graduation Requirements*.”

Insert as the first numbered section in each of the Certificate in Aboriginal and Indigenous Studies, Certificate in Ancient Languages, Certificate in Criminology, Certificate in Film Studies, Certificate in Food Studies (pending), Certificate in Newfoundland and Labrador Studies, Certificate in Public Policy and renumber subsequent sections as follows:

“X.X.1 Faculty of Humanities and Social Sciences Certificate Regulations

Students intending to complete a certificate program within the Faculty of Humanities and Social Sciences must meet the *Admission* requirements as outlined in the University Calendar. Students are also advised to consult the University Calendar regarding *General Regulations for Certificate Programs and Graduation Requirements*.”

Page 298, 2016-2017 Calendar, following the section 11.1.4 Regulations for Joint Honours, Anthropology and Another Major Subject, insert the following new section as follows:

Faculty of Humanities and Social Sciences (cont'd)

“11.1.5 Certificate in Food Studies

The Department of Anthropology administers the Certificate in Food Studies. Credit hours in Anthropology may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 298, 2016-2017 Calendar, following the section 11.2.2 Bachelor of Arts Degree Requirements, insert the following two new sections and renumber subsequent sections as follows:

“11.2.3 Diploma in Ancient Worlds

The Department of Archeology administers the Diploma in Ancient Worlds. Credit hours in Archaeology may be eligible to jointly fulfill requirements of a degree and a diploma and/or a certificate. For further information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.

11.2.4 Certificate in Aboriginal and Indigenous Studies

The Department of Archeology administers the Certificate in Aboriginal and Indigenous Studies. Credit hours in Archaeology may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 303, 2016-2017 Calendar, following the 11.3.4.2 Joint Honours in Classics, insert the following new section as follows:

“11.3.5 Certificate in Ancient Languages

The Department of Classics administers the Certificate in Ancient Languages. Credit hours in Classics may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 312, 2016-2017 Calendar, following the section 11.6.5.5 Previous Calendar Regulations, insert the following three new sections as follows:

Faculty of Humanities and Social Sciences (cont'd)

“11.6.6 Diploma in Creative Writing

The Department of English administers the Diploma in Creative Writing. Credit hours in English may be eligible to jointly fulfill requirements of the degree and a diploma. For further information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.

11.6.7 Diploma in Performance and Communications Media

The Department of English administers the Diploma in Performance and Communications Media. Credit hours in English may be eligible to jointly fulfill requirements of the degree and a diploma. For further information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.

11.6.8 Certificate in Film Studies

The Department of English administers the Certificate in Film Studies. Credit hours in English and Communications Studies may be eligible to jointly fulfill requirements of the degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 314, 2016-2017 Calendar, following the section 11.8.6 Joint Honours Degree in Folklore and Another Major Discipline, insert the following new section as follows:

“11.8.7 Certificate in Newfoundland and Labrador Studies

The Department of Folklore administers the Certificate in Newfoundland and Labrador Studies. Credit hours in Folklore may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 324, 2016-2017 Calendar, under the heading 11.11.8 Diploma in Geographic Information Sciences, amend the calendar entry as follows:

Faculty of Humanities and Social Sciences (cont'd)

“11.11.8 Diploma in Geographic Information Sciences

Information regarding the Diploma Program in Geographic Information Sciences may be found under the heading Diploma Programs Offered in the Faculty of Humanities and Social Sciences.

The Department of Geography administers the Diploma in Geographic Information Sciences. Credit hours in Geography may be eligible to jointly fulfill requirements of a degree and a diploma. For further information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 333, 2016-2017 Calendar, following the section 11.17.6.6 Previous Calendar Regulations, insert the following new section as follows:

“11.17.7 Diploma in Humanities

The Department of Philosophy administers the Diploma in Humanities. Credit hours in Philosophy and Medieval Studies may be eligible to jointly fulfill requirements of a degree and a diploma. For further information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 340, 2016-2017 Calendar, following the section 11.18.9.6 Previous Calendar Regulations, insert the following new section as follows:

“11.18.10 Certificate in Public Policy

The Department of Political Science administers the Certificate in Public Policy. Credit hours in Political Science and Law and Society may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 345, 2016-2017 Calendar, following the section 11.21.7.4 Previous Calendar Regulations, insert the following two new sections as follows:

“11.21.8 Diploma in Police Studies

The Department of Sociology administers the Diploma in Police Studies. Credit hours in Sociology and Police Studies may be eligible to jointly fulfill requirements of a degree and a diploma. For further

Faculty of Humanities and Social Sciences (cont'd)

information about this program, see *Diploma Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.

11.21.9 Certificate in Criminology

The Department of Sociology administers the Certificate in Criminology. Credit hours in Sociology and Police Studies may be eligible to jointly fulfill requirements of a degree and a certificate. For further information about this program, see *Certificate Programs Offered in the Faculty of Humanities and Social Sciences*, or contact the program coordinator.”

Page 286, 2016-2017 Calendar, under the heading 7.4 Diploma in Ancient Worlds, amend the calendar entry as follows:

“7.4 Diploma in Ancient Worlds

The program also includes Archeology 3583, a field school orientation course ~~to be chosen from two field schools offered by the Department of Archaeology.”~~

Page 286, 2016-2017 Calendar, under the heading 7.4.3 Regulations for the Diploma in Ancient Worlds, amend the calendar entry as follows:

“7.4.3 Regulations for the Diploma in Ancient Worlds

As part of the Diploma in Ancient Worlds, students must complete courses up to and including the 3000 level and may take courses at the 4000 level. The Diploma in Ancient Worlds consists of 27 credit hours, as prescribed below:

1. 9 credit hours in Archaeology 1030, Archaeology 2480 and 3583; and,
2. 18 credit hours from Table 1 Approved Courses for the Diploma in Ancient Worlds, which must include 3 credit hours in at least two of Classics, History, Religious Studies, Philosophy. This may include no more than 6 credit hours in designated Language Study courses and no more than 6 additional credit hours from Archaeology.; ~~and~~
3. ~~a minimum of 3 credit hours in Archaeology field school courses taken from Archaeology 3585 or Archaeology 3586. Field school courses are offered only every other year.~~

Table 2 Suggested Course Sequencing for the Diploma in Ancient Worlds

First 9 credit hours: Archaeology 1030, 6 credit hours from Table 1 Approved Courses for the
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Diploma in Ancient Worlds courses (breadth encouraged)
Next 9 credit hours: Archaeology 2480, 6 credit hours from Table 1 Approved Courses for the Diploma in Ancient Worlds courses (breadth encouraged)
Final 9 credit hours: Archaeology 3585 or 3586 3583 and 6 credit hours from Table 1 Approved Courses for the Diploma in Ancient Worlds courses (ensure Diploma minimum of two of Classics, History, Religious Studies and Philosophy; no more than 6 credit hours in Language Study courses; no more than a total of 15 credit hours in Archaeology)

Page 286, 2016-2017 Calendar, under the heading 7.4.4 Course Prerequisites, amend the calendar entry as follows:

“7.4.4 Course Prerequisites

Many approved courses are suitable for students in all disciplines without a background in the given discipline. Other approved courses may have prerequisites. Students who are enrolled in the Diploma in Ancient Worlds program and who do not meet the prerequisites for Archaeology 3583 the Archaeology field school courses (~~Archaeology 3585 and/or Archaeology 3586~~) will normally be granted written permission to enroll by the course instructor and the Head of the Department of Archaeology.”

Page 294, 2016-2017 Calendar, under the heading 8.6.3 Regulations for the Certificate in Criminology, amend Table 1 as follows:

“8.6 Certificate in Criminology`

Table 1 Approved Courses for the Certificate in Criminology

Core Courses	Other Approved Courses
<ul style="list-style-type: none"> • Law and Society 1000, 2000 • Sociology 1000, 2300, 3290, 3395 	<ul style="list-style-type: none"> • Philosophy 2591 • Police Studies 2000, 2200, 3100 • Political Science 3620, 3820 • Psychology 2150, 2800, <u>one of 3640 or 3650</u> • Sociology 3306, 4080, 4099, 4212

For the purposes of the Certificate, a student completing Psychology 3626 at Grenfell Campus may substitute those credit hours for one of Psychology 3640 or 3650.”

Page 347, 2016-2017 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

“12.2 Archaeology

3582 Historical Archaeology will introduce students to historical archaeology, with special reference to the North Atlantic, 1000 to 1900 AD. The archaeology of specific sites will be examined in order to raise issues about theory and method. Students will be introduced to paleography; historic maps; documentary archaeology; the survey, excavation and analysis of complex sites; material culture and

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subsistence studies; consumer studies; cultural resource management; ~~and theoretical approaches including historical anthropology, ethnohistory, world systems and consumer studies;~~ archaeological conservation; and nautical archaeology.

2481 Ancient Civilizations of the Americas

PR: ARCH 1030 or permission of the instructor

3594 Archaeology of Sport

PR: ARCH 1030 or permission of the instructor

3920 First Peoples of Newfoundland and Labrador

PR: ARCH 1030 or permission of the instructor

3291 First Peoples of the Maritime Provinces

PR: ARCH 1030 or permission of the instructor

3510 The Ancient Americas

PR: ARCH 1030 or permission of the instructor

3588 Arctic Archaeology

PR: ARCH 1030 or permission of the instructor

3590 Hunter Gatherer Studies

PR: ARCH 1030 or permission of the instructor

Page 278, 2016-2017 Calendar, under the heading 5.1.2.1 Breadth of Knowledge Requirement, amend the calendar entry as follows:

“5.1.2.1 Breadth of Knowledge Requirement

The Breadth of Knowledge Requirement is designed to ensure that students have exposure to courses in a variety of disciplines and interdisciplinary areas of study within the Humanities and Social Sciences, in order to achieve a well-rounded Humanities and Social Sciences education. To fulfill the Breadth of Knowledge Requirement, a student must complete at least one course in a minimum of 6 of the following areas of study in the Humanities and/or Social Sciences, chosen from: Anthropology, Archaeology, ~~Arts,~~ Classics, Communication Studies, Economics, English, Folklore, French, Gender Studies, Geography, German, History, Italian, Law and Society, Linguistics, Medieval Studies, Philosophy, Police Studies, Political Science, Religious Studies, Russian, Sociology, Spanish, University courses. Humanities and/or Social Sciences courses used to meet the CRW, LS, and QR requirements and/or the student's Major or Minor requirements may also be used towards this requirement.”

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Page 350, 2016-2017 Calendar, under the heading 12.3 Arts, amend the calendar entry as follows:

~~“12.3 Arts~~

~~1250 Enhancing Academic Performance—inactive course.”~~

Page 350, 2016-2017 Calendar, under the heading 12.4.1 Greek, amend the calendar entry as follows:

“12.4.1 Greek

~~1130 Elementary Introductory Ancient Greek I is an introduction to the grammar and syntax of ancient Greek, with particular attention paid to the acquisition of basic skills in reading, composition, and aural comprehension.~~ familiarizes students with the basics of the Ancient Greek language. Students will master the Ancient Greek alphabet, learn how to read simple narratives in Ancient Greek, and examine the connections between language and culture. Evaluation will focus largely on comprehension of written Ancient Greek. All sections of this course follow LS guidelines available at www.mun.ca/arts/ls

CR: the former CLAS 130B

~~1131 Elementary Introductory Ancient Greek II is a continuation of the work begun in Elementary Ancient Greek I.~~ continues to familiarize students with the Ancient Greek language. Students will acquire a broad vocabulary, learn to read more complex passages of prose and poetry, and gain insights into key social concepts through study of language. All sections of this course follow LS guidelines available at www.mun.ca/arts/ls

CR: the former CLAS 130B

PR: CLAS 1130 or its equivalent

~~2300 Intermediate Ancient Greek is a continuation of the grammar, syntax, reading, and composition completed in the elementary program.~~ provides a deeper knowledge of the Ancient Greek language while offering a window onto the culture and society of Ancient Greece. Students will read selections from works of history, literature, philosophy and oratory in Ancient Greek. All sections of this course follow LS guidelines available at www.mun.ca/arts/ls

PR: CLAS 1131

~~3300 Advanced Ancient Greek refines the skills developed in Intermediate Greek and applies them to selected readings of Greek authors.~~ provides advanced knowledge of the Ancient Greek language while offering a window onto the culture and society of Ancient Greece. Students will begin to apply their knowledge to the close reading and interpretation of major works of Ancient Greek literature.

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All sections of this course follow LS guidelines available at www.mun.ca/arts/lis

CR: the former CLAS 2305

PR: CLAS 2300”

Page 352, 2016-2017 Calendar, under the heading 12.4.3 Latin, amend the calendar entry as follows:

“12.4.3 Latin

~~1120 Elementary~~ Introductory Latin I is an introduction to the grammar and syntax of Latin, with particular attention paid to the acquisition of basic skills in reading, composition, and aural comprehension. familiarizes students with the basics of the Latin language. Students will learn how to read simple narratives and short poems in Latin and examine the connections between language and culture. Evaluation will focus largely on comprehension of written Latin. All sections of this course follow LS guidelines available at www.mun.ca/arts/lis

CR: the former CLAS 120A

~~1121 Elementary~~ Introductory Latin II is a continuation of the work begun in Elementary Latin I. continues to familiarize students with the Latin language and Roman culture and society. Students will acquire a broad vocabulary, learn to read more complex passages of prose and poetry in Latin, and gain insights into key social concepts through study of language. All sections of this course follow LS guidelines available at www.mun.ca/arts/lis

CR: the former CLAS 120B

PR: CLAS 1120 or its equivalent

~~2200 Intermediate~~ Latin is a continuation of the grammar, syntax, reading, and composition completed in the elementary program. provides a deeper knowledge of the Latin language while offering a window onto the culture and society of Ancient Rome. Students will read selections from works of history, literature, philosophy and oratory in Latin. All sections of this course follow LS guidelines available at www.mun.ca/arts/lis

PR: CLAS 1121

~~3200 Advanced~~ Latin refines the skills developed in Intermediate Latin, and applies them to selected readings of Latin authors. provides advanced knowledge of the Latin language while offering a window onto the culture and society of Ancient Rome. Students will begin to apply their knowledge to the close reading and interpretation of major works of Latin literature. All sections of this course follow LS guidelines available at www.mun.ca/arts/lis

CR: the former CLAS 2205

PR: CLAS 2200”

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Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“12.7 English

~~1030 Writing—inactive course.~~

~~1031 Prose Literature—inactive course.~~

~~2020 Comprehension, Writing and Prose Style II—inactive course.~~

~~2401 History of the English Language from 1500 to Modern Times—inactive course.~~

~~2700 Writing and Gender I—inactive course.~~

~~3105 Issues in the Acquisition of English and the Adult Learner—inactive course.~~

~~3121 Comedy—inactive course.~~

~~3171 Irish Drama—inactive course.~~

~~3173 Irish Prose—inactive course.~~

~~3181 Drama of the Restoration and Eighteenth Century—inactive course.~~

~~3302 Nineteenth Century Drama—inactive course.~~

~~3333 English Literature and Medical Humanities—inactive course.~~

~~3650 Structure of Modern English: Phonology and Morphology—inactive course.~~

~~3914 Professional Writing Online—inactive course.~~

~~4420 English Dialectology I—inactive course.”~~

Page 323, 2016-2017 Calendar, under the heading 11.10.5 Elective Courses, amend Table 1 as follows:

“11.10.5 Elective Courses

Table 1 Gender Studies Elective Courses

• Anthropology 4081	• Law and Society 3200
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<ul style="list-style-type: none"> • Education 3565 • English 2700 • English 3817 • English 3830 • Folklore 3350 • Folklore 3360 • Folklore 3950 • Gender Studies 3001/Medieval Studies 3006/English 3006 • Gender Studies 3002-3020 (excluding 3004, 3009) • Gender Studies 3004/Russian Studies 3004 • Gender Studies 2006 • Gender Studies 3100 • German 3914 • History 2760 • History 3200 • History 3780 • History 3813 • History 3821 • Human Kinetics and Recreation 3490 • Human Kinetics and Recreation 3595 • Law and Society 3015 	<ul style="list-style-type: none"> • the former Linguistics 3212 • the former Philosophy 2805 • Political Science 3140 • Political Science 3340 • Political Science 4340 • Psychology 2540 • Psychology 3126 • Psychology 3533 • Religious Studies 2800 • Religious Studies 2801 • Religious Studies 3415 • Religious Studies 3800 • Sociology 3420 • Sociology 4092 • Sociology 4107 • Sociology 4208 • Sociology 4210 • Sociology 4213 • Sociology 4230
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Page 379, 2016-2017 Calendar, under the heading 12.22.7 Medieval Studies, amend the calendar entry as follows:

“12.22.7 Medieval Studies

2000 The Cultural Legacy of the Middle Ages will survey the formative cultures of the Middle Ages - Latin, Celtic, Arabic - as well as the rise of the new vernacular cultures, English, Germanic and Romance. Literary trends such as the reliance on authority, the emergence of national epic and the development of court literature will be studied. The course examines the interplay of all the arts - literature, music, art and architecture.”

Page 379, 2016-2017 Calendar, under the heading 12.24 Political Science, amend the calendar entry as follows:

“12.24 Political Science

1001 Critical Reading and Writing: Politics and Governance

~~PR: students are encouraged to complete POSC 1000~~

4330 Comparative Political Representation

~~PR: POSC 2300 and a POSC 33xx course or the instructor's permission.~~

4340 Women and Mass Politics

~~PR: POSC 2300 and a POSC 33xx course, or POSC 3140 or 3340, or the instructor's permission~~

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4650 Public Policy in Resource Dependent Economies

PR: POSC 2600 or POSC 3600 ~~and a POSC 36xx course~~, or the instructor's permission

4680 Public Policy in Newfoundland and Labrador

PR: POSC 2600 ~~and a POSC 36xx course~~, or POSC 3600 ~~or 3880~~, or the instructor's permission

4870 Regionalism in Canada

PR: POSC 2800 ~~and a POSC 38xx course~~, ~~or POSC 3800 or 3870~~, or the instructor's permission

4880 Research in Newfoundland and Labrador Politics

PR: ~~POSC 2800 and a POSC 38xx course~~, or POSC 3880-6 credit hours in Political Science, or the instructor's permission

460W Work Term 3 building on their previous work term placements and Political Science course knowledge students will be assigned to a highly challenging position and evaluated on related academic components. They should have sufficient academic grounding and work experience to contribute in a positive manner to the problem-solving and management processes needed and practiced in the work environment. Students should become better acquainted with their discipline of study; should observe and appreciate the attitudes, responsibilities and ethics normally expected of professionals; and should exercise greater independence and responsibility in their assigned work functions.

CH: 3

CR: POSC 4600

PR: enrollment in the Political Science Co-operative Education Program (PSCE); a minimum third-year standing and 33 POSC credit hours; POSC 360W; a minimum overall average of 65% and a minimum average of 70% in POSC courses; and permission of the designated faculty member."

Page 383, 2016-2017 Calendar, under the heading 12.25 Religious Studies, amend the calendar entry as follows:

"12.25 Religious Studies

1022 Jesus at the Movies in Film ~~is a study of how Jesus is represented in modern film. The course explores the continuing impact that the Jesus of history and faith has had on modern Western culture. The course will examine such films as *The Greatest Story Ever Told*, *The Robe*, *The Gospel According to St. Matthew* (by Pasolini), *Jesus Christ Superstar*, *Jesus of Montreal*, *The Last Temptation of Christ*, *The Life of Brian*, *The Passion of the Christ*, *The Newfoundland Passion*~~

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~~(video of the Squires' Paintings):~~ examines how Jesus has been dramatized in film, investigating the reception of select Jesus films and cinematic Christ figures in academic, religious, and popular cultures, and reflecting on the sources and intentions informing the filmmaker's work.

2130 Christianity from the First Century to the Middle Ages Early Christianity explores the history of Christian thought and culture from the ~~period of the Early Church to the Middle Ages~~ era of Jesus to the end of the first millennium. Topics will include the development of key theological ideas, changes to art, architecture, and ritual, the relations between church and state, tensions between Christian and pagan culture, and factors shaping the growth and spread of Christianity in Western Europe.

2140 Christianity and Modernity ~~from the Reformation to the Present~~ explores the radical religious, ethical, and intellectual changes and challenges that brought about the modern world we live in: the Reformation, the Enlightenment, the Romantic Period and Pietism, and Secularism. takes a historical and interdisciplinary approach in examining the dynamic tensions between Christianity and modern cultural domains such as politics, the arts, and science. The course will also consider Christianity as a secularizing force in the modern world, and the place and future of Christianity in what some theorists term post-secular society.

3272 Bible, Culture and Interpretation ~~inactive course.~~

3830 Religion, Science and Technology ~~inactive course.~~

4500 and 4510 Seminar in the Philosophy of Religion ~~inactive course."~~

Page 385, 2016-2017 Calendar, under the heading 12.27 Sociology, amend the calendar entry as follows:

"12.27 Sociology

3180 Minority Groups Ethnic Relations in Canada examines the nature of ~~minority~~ ethnocultural group status in society and various examples of ~~minority~~ ethnocultural groups in past and present societies, reviews theoretical perspectives on ~~minority groups~~ racial and ethnic inequality, and explores various aspects of the relationship between ethnic groups in Canada. ~~minority groups and the rest of society.~~

CR: the former SOCI 3304

PR: SOCI 1000 or the former 2000"

Faculty of Humanities and Social Sciences (cont'd)

Page 268, 2016-2017 Calendar, under the heading Faculty of Humanities and Social Sciences, Section Contents, reorder Section Headings as follows:

- 1 The Memorial University of Newfoundland Code
- 2 Student Code of Conduct
- 3 Faculty Description
- 4 Admission to ~~the Bachelor of Arts General~~ Undergraduate Degree, Diploma, and Certificate Programs
- 5 ~~Program Degree~~ Regulations - General and Honours Degrees
- 6 ~~Limited Enrolment Courses and Transfer Credits~~
- 6 ~~11 Honours, Major and Minor Programs and Regulations~~
- 7 ~~Diploma Programs Offered in the Faculty of Humanities and Social Sciences~~
- 8 ~~Certificate Programs Offered in the Faculty of Humanities and Social Sciences~~
- 9 Waiver of Regulations for Undergraduate Students
- 10 Study Abroad (Harlow Campus Semester and International Field Schools)
- 11 Experiential Learning
- 12 Course Descriptions
- 13 Limited Enrolment Courses and Transfer Credits

4 Admission to ~~the Bachelor of Arts General~~ Undergraduate Degree, Diploma and Certificate Programs

6. For information about admission to a diploma program, refer to Diploma Programs Offered in the Faculty of Humanities and Social Sciences—Admission.
7. For information about admission to a certificate program, refer to Certificate Programs Offered in the Faculty of Humanities and Social Sciences—Admission.

Page 281, 2016-2017 Calendar, under the heading 5.1.5.3 Interdisciplinary Humanities and Social Sciences Minor Programs, amend the calendar entry as follows:

“5.1.5.3 Interdisciplinary Humanities and Social Sciences Minor Programs

5. For an interdisciplinary Humanities and Social Sciences 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 15 credit hours from the department that administers the program, and a maximum of 9 credit hours from any other one discipline listed in the Faculty of Humanities and Social Sciences Course Descriptions shall be eligible. No more than 3 credit hours in undergraduate courses which are not listed in the Faculty of

Faculty of Humanities and Social Sciences (cont'd)

Humanities and Social Sciences Course Descriptions shall be eligible. Students completing such courses are still required to complete the minimum number of Faculty of Humanities and Social Sciences 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.”

Page 333, 2016-2017 Calendar, under the heading 11.17.6.4 Regulations for the Interdisciplinary Minor in Medieval Studies, amend the calendar entry as follows:

“11.17.6.4 Regulations for the Interdisciplinary Minor in Medieval Studies

a. as per the General Regulations for Interdisciplinary Major and Minor Programs, courses from a minimum of any three Humanities and Social Sciences disciplines, ~~and~~ no more than ~~15~~ 9 credit hours in any one Humanities and Social Sciences discipline other than Medieval Studies and a maximum of 15 credit hours in Philosophy;”

Page 340, 2016-2017 Calendar, under the heading 11.18.9.4 Regulations for the Interdisciplinary Minor in Law and Society, amend the calendar entry as follows:

“**11.18.9.4 Regulations for the Interdisciplinary Minor in Law and Society**

a. as per the General Regulations for Interdisciplinary Major and Minor Programs, courses from a minimum of any three Humanities and Social Sciences disciplines, ~~and~~ no more than ~~15~~ 9 credit hours in any one Humanities and Social Sciences discipline other than Law and Society and a maximum of 15 credit hours in Political Science;”

Page 296, 2016-2017 Calendar, under the heading 9.3 Other Regulations, amend the calendar entry as follows:

“**9.3 Other Regulations**

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. If appropriate, the Committee, the Head and/or the coordinator will also examine whether the calendar entry should be modified.”

Page 283, 2016-2017 Calendar, under the heading 5.5.1 Suggested Program of Studies: Bachelor of Arts and Bachelor of Commerce (Co-

Faculty of Humanities and Social Sciences (cont'd)

operative) Prior to admission to the Bachelor of Commerce (Co-operative) Program, amend the Notes following Table 1 as follows:

“Notes:

1. The Bachelor of Arts requires completion of a [Major Program](#), a [Minor Program](#), a set of [Core Requirements \(comprising a Breadth of Knowledge Requirement, a Critical Reading and Writing \(CRW\) Requirement, a Language Study \(LS\) Requirement, and a Quantitative Reasoning \(QR\) Requirement\)](#), and [Elective](#) courses, totalling at least 78 credit hours in courses offered by departments within the Faculty of Humanities and Social Sciences. 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):”

Page 279, 2016-2017 Calendar, under the heading 5.1.2.3 Language Study (LS) Requirement, amend the calendar entry as follows:

“5.1.2.3 Language Study (LS) Requirement

The Language Study (LS) Requirement is designed to ensure that students develop university-level foundational knowledge of the structure of a language other than English, and to foster awareness of the inherent link between language and cultural literacy, as described in the LS course guidelines available at www.mun.ca/hss/ls. To fulfill the Language Study Requirement, a student must complete a minimum of 6 credit hours in the study of a single language, other than English, chosen from one of: French, German, Greek (Classics), Hebrew (Religious Studies), Innu-aimun (Linguistics), Inuktitut (Linguistics), Irish Gaelic (Linguistics), Italian, Japanese (Linguistics), Latin (Classics), Mandarin Chinese (Religious Studies), Russian, Sanscrit (Religious Studies), Spanish, or another language that may be offered by the Faculty of Humanities and Social Sciences. Not all courses in language departments qualify and a student should refer to the department's or course's Calendar entry. The guidelines for LS courses are maintained by the Committee on Undergraduate Studies.

A student with competency in one of these languages should check with the respective department to select appropriate university-level courses. A student whose first language is not English and who does not meet the standards for entry into regular first-year English courses may use English 1020 and 1021 to fulfill this requirement. University-level credit hours earned in the study of a language other than English at other institutions may be eligible for transfer to fulfill this requirement,

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including the study of a language not taught at Memorial University for which unspecified LS credit hours may be awarded.”

Page 347, 2016-2017 Calendar, under the heading 12.2 Archaeology, amend the calendar entry as follows:

“12.2 Archaeology

3520 Aboriginal History to 1763 (same as History 3520 and the former Anthropology 3520) examines Aboriginal history in North America from before European contact to the Royal Proclamation in 1763. Particular attention will be paid to historical encounters framed by first contacts, cultural exchange, trade, disease, religious encounters, conflict and diplomacy, and territorial encroachment.

CR: History 3520, the former Anthropology 3520

UL: Cannot be applied to the Major or Minor in Anthropology

3525 Aboriginal History from 1763 (same as History 3525 and the former Anthropology 3525) examines the history of Aboriginal peoples in North America from 1763 to the twentieth century. Particular attention will be paid to Indigenous-settler relations, including Aboriginal policies, military encounters and diplomacy, expansion and removals, education, treaties, and politicization.

CR: History 3525, the former Anthropology 3525

UL: Cannot be applied to the Major or Minor in Anthropology

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

CR: the former Anthropology 3584, History 3535

UL: Cannot be applied to the Major or Minor in Anthropology

3590 Hunter-Gatherer Studies (same as the former Anthropology 3590) examines past and present hunting and gathering societies from various areas of the world, both from an ethnographic and an archaeological perspective.

CR: the former Anthropology 3590

UL: Cannot be applied to the Major or Minor in Anthropology”

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Page 359, 2016-2017 Calendar, under the heading 12.9 Folklore, amend the calendar entry as follows:

“12.9 Folklore

2230 Newfoundland Society and Culture (same as Sociology 2230, the former Sociology/Anthropology 2230, and the former Anthropology 2230) focuses on the social and cultural aspects of contemporary island Newfoundland.

CR: Sociology 2230, the former Sociology/Anthropology 2230, the former Anthropology 2230

UL: Cannot be applied to the Major or Minor in Anthropology

2300 Newfoundland and Labrador Folklore (same as the former Anthropology 2300) is a survey of the full range of folklore in the province, with an emphasis on community and regional identity.

CR: the former Anthropology 2300

UL: Cannot be applied to the Major or Minor in Anthropology

4440 Music and Culture (same as the former Anthropology 4440, Music 4040, and the former Music 4440) examines traditional music as an aspect of human behaviour in Western and non-European cultures. Examination of the functions and uses of music; folk-popular-art music distinctions; and the relation of style to content. Outside reading, class exercises and individual reports will be required.

CR: the former Anthropology 4440, Music 4040, and the former Music 4440

UL: Cannot be applied to the Major or Minor in Anthropology”

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry as follows:

“12.16 History

3520 Aboriginal History to 1763 (same as Archaeology 3520 and the former Anthropology 3520) examines Aboriginal history in North America from before European contact to the Royal Proclamation in 1763. Particular attention will be paid to historical encounters framed by first contacts, cultural exchange, trade, disease, religious encounters, conflict and diplomacy, and territorial encroachment.

CR: Archaeology 3520, the former Anthropology 3520

UL: Cannot be applied to the Major or Minor in Anthropology

3525 Aboriginal History From 1763 (same as Archaeology 3525 and the former Anthropology 3525) examines the history of Aboriginal peoples in North America from 1763 to the twentieth century. Particular attention will be paid to Indigenous-settler relations,

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including Aboriginal policies, military encounters and diplomacy, expansion and removals, education, treaties, and politicization.

CR: Archaeology 3525, the former Anthropology 3525

UL: Cannot be applied to the Major or Minor in Anthropology

3535 Historical Anthropology (same as the former Anthropology 3584 and Archaeology 3584) 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 individualism, the consumer revolution and the cultural construction of gender.

CR: the former Anthropology 3584, Archaeology 3584

UL: Cannot be applied to the Major or Minor in Anthropology

Page 385, 2016-2017 Calendar, under the heading 12.27 Sociology, amend the calendar entry as follows:

“12.27 Sociology

2210 Communication and Culture (same as the former Sociology/Anthropology 2210 and the former Anthropology 2210) is an examination of verbal and non-verbal systems of communication, and the influence of language on human cognition.

CR: the former Sociology/Anthropology 2210, the former Anthropology 2210

UL: Cannot be applied to the Major or Minor in Anthropology

2230 Newfoundland Society and Culture (same as Folklore 2230, the former Sociology/Anthropology 2230, and the former Anthropology 2230) focuses on the social and cultural aspects of contemporary island Newfoundland.

CR: Folklore 2230, the former Sociology/Anthropology 2230, the former Anthropology 2230

UL: Cannot be applied to the Major or Minor in Anthropology

2240 Canadian Society and Culture (same as the former Sociology/Anthropology 2240 and the former Anthropology 2240) is a descriptive and analytic approach to the development of Canadian society and culture.

CR: the former Sociology/Anthropology 2240, the former Anthropology 2240

UL: Cannot be applied to the Major or Minor in Anthropology

Faculty of Humanities and Social Sciences (cont'd)

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 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: the former Sociology/Anthropology 3140, the former Anthropology 3140

UL: Cannot be applied to the Major or Minor in Anthropology

3220 Work and Society (same as the former Sociology/Anthropology 3220 and the former Anthropology 3220) is an historical and comparative perspective on the cultural and social organization of work, its determinants and human implications.

CR: the former Sociology/Anthropology 3220, the former Anthropology 3220

UL: Cannot be applied to the Major or Minor in Anthropology

3317 Oil and Society (same as the former Sociology/Anthropology 3317 and the former Anthropology 3317) is an examination of the sociology of the Western oil industry and of the social and cultural implications of oil activities for those regions in which they occur. Particular attention will be paid to North Atlantic societies: Scotland, Norway, and Atlantic Canada.

CR: the former Sociology/Anthropology 3317, the former Anthropology 3317

UL: Cannot be applied to the Major or Minor in Anthropology

3318 Culture and Aging (same as the former Sociology/Anthropology 3318 and the former Anthropology 3318) is an Introduction to the study of aging from a social and cultural perspective. Distinctions between the biological and social elements of the aging process will be examined. The overview of social and cultural gerontology Includes social, economic and political influences on later life, as well as the culture-based needs and aspirations of the aged.

CR: the former Sociology/Anthropology 3318, the former Anthropology 3318

UL: Cannot be applied to the Major or Minor in Anthropology

3320 Terrorism and Society (same as the former Sociology/Anthropology 3320 and the former Anthropology 3320) is an examination of the recourse to violence as a recurring phenomenon in social and political movements. Consideration will be given to problems of classifying and explaining various forms of "terrorism", and to discussing their consequences for society.

CR: the former Sociology/Anthropology 3320, the former Anthropology 3320

UL: Cannot be applied to the Major or Minor in Anthropology

Faculty of Humanities and Social Sciences (cont'd)

4074 Ritual and Ceremony (same as the former Sociology/Anthropology 4074 and the former Anthropology 4074) is about ritual and ceremony, as both analytic and descriptive concepts, in both industrial states and subsistence-oriented societies. Topics examined could include: the universality of ritual and ceremony; essential differences between ritual and ceremony; their relative importance in non-industrialised and industrialised societies; the place of symbolism in ritual and ceremony; and the relationship between ritual, ceremony, religion and the sacred.

CR: the former Sociology/Anthropology 4074, the former Anthropology 4074

UL: Cannot be applied to the Major or Minor in Anthropology

4091 Oil and Development (same as the former Sociology/Anthropology 4091 and the former Anthropology 4091) is an advanced seminar which will consider some selected topics dealing with the petroleum industry and its implications for economic development and social change. A comparative approach will be taken, using material from developed, underdeveloped and intermediate regions of the world.

CR: the former Sociology/Anthropology 4091, the former Anthropology 4091

UL: Cannot be applied to the Major or Minor in Anthropology

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 history of social thought as it applies to issues of gender, and 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

UL: Cannot be applied to the Major or Minor in Anthropology"

Page 427, 2016-2017 Calendar, under the heading 13.4 Musicologies Courses, amend the calendar entry as follows:

"13.4 Musicologies Courses

4440 Music and Culture (same as the former Anthropology 4440, Music 4040, and the former Music 4440) examines traditional music as an aspect of human behaviour in Western and non-European cultures. Examination of the functions and uses of music; folk-popular-art music distinctions; and the relation of style to content. Outside reading, class exercises and individual reports will be required.

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CR: Folklore 4440, the former Anthropology 4440, the former Music 4440

PR: completion of at least 24 credit hours of university course work

UL: Cannot be applied to the Major or Minor in Anthropology"

61. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

61.1 Mathematics and Statistics

Page 660, 2016-2017 Calendar, under the heading 24.18.1 Specific Requirements for the M.Sc. in Mathematics, amend the calendar entry as follows:

"24.18.1 Specific Requirements for the M.Sc. in Mathematics

Every candidate for the M.Sc. in Mathematics is required to complete one of two options:

1. **Option 1** ~~MATH 6310, 6351 and 696A/B~~, two courses from MATH 6160, 6310, 6332, 6351, and a minimum of 9 further credit hours in courses chosen from the departmental course offerings, excluding MATH 6299, and a thesis as per **General Regulations, Theses and Reports**.

2. **Option 2** ~~MATH 6299, 6310, 6332, 6351, 696A/B~~, three courses from MATH 6160, 6310, 6332, 6351, and a minimum of ~~12-9~~ further credit hours in courses chosen from the departmental course offerings.

- ~~Algebra: 6320, 6321~~
- ~~Analysis: 6310, 6311, 6312~~
- ~~Applied Mathematics: 6100, 6201 or 6212, 6120~~
- ~~Combinatorics: 6340, 6341, 6342~~
- ~~Topology: 6300 or 6301, 6332"~~

Page 705, 2016-2017 Calendar, under the heading 32.25.1 Program of Study, amend the calendar entry as follows:

"32.25.1 Program of study

The following regulations should be read in conjunction with the General Regulations of the School of Graduate Studies.

1. Candidates shall be assigned a supervisory committee consisting of the Supervisor (or Co-Supervisors) and at least two other members of faculty appointed by the Dean on the

Mathematics and Statistics (cont'd)

- recommendation of the Head.
2. A candidate shall complete at least 6 credit hours in graduate courses in the area of specialization. ~~Candidates not holding a Masters Degree shall, in addition, complete, or have already completed successfully, the course requirements for a Memorial University of Newfoundland Master's Degree in mathematics or in statistics, as appropriate. Any.~~ A candidate may be required to take additional courses at any time during his/her program.
 3. The Comprehensive Examination consists of two parts, called the “qualifying review” and the “intermediate review”. Successful completion of both the qualifying and intermediate reviews constitutes successful completion of the Comprehensive Examination in the sense of General Regulation **Comprehensive Examinations.**
 - a. The **qualifying review** consists of written examinations and takes place ~~as soon as once the student has successfully completed the courses specified in his/her program of study at the time of this review and the Supervisory Committee deems it appropriate, but not later than the end of the candidate's third semester in the doctoral program.~~ Its main purpose is to ensure that the candidate has a reasonably broad general knowledge of mathematics or of statistics, as appropriate.
 - b. The **intermediate review** consists of an oral presentation on the candidate's thesis topic followed by an oral examination based on the presentation although questions of a general nature relating to the field of specialization are also permitted. It must take place no later than the end of the candidate's seventh semester in the doctoral program and at least three months after the qualifying review. Its purpose is to ensure that the candidate has specialized knowledge in his/her chosen area sufficient to do original research of a high level.

More details concerning the Department's comprehensive examinations can be obtained from the Department.”

Page 705, 2016-2017 Calendar, under the heading 32.25.3 Specific Regulations for the Ph.D. in Statistics, amend the calendar entry as follows:

“32.25.3 Specific Regulations for the Ph.D. in Statistics

A Masters Degree in statistics from a recognized university is normally required for entry into the Ph.D. program. Students currently registered in their first year at Memorial University of

Mathematics and Statistics (cont'd)

Newfoundland's M.A.S. or M.Sc. Program in statistics who have obtained A in at least four program courses are eligible to be transferred into a Ph.D. program. Such transfer must be supported by a prospective Ph.D. supervisory committee as well as the Graduate Studies Committee and approved by the Dean of Graduate Studies. Transferred students shall finish their Masters program plus the minimum Ph.D. requirements.

In addition to general Departmental requirements, each candidate for the Ph.D. in mathematics or statistics will be required to present at least one paper at a graduate seminar on a topic to be approved by his or her Supervisor."

Page 705, 2016-2017 Calendar, under the heading 32.25.4 Courses, amend the calendar entry as follows:

"32.25.4 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:

Mathematics

- 6100 Dynamical Systems
- 6101 Modern Perturbation Theory
- 6102 Mathematical Biology
- 6104 Infinite Dimensional Dynamical Systems
- 6110 Advanced General Relativity
- 6111 Calculus in Manifolds
- 6112-6119 Special Topics in Applied Mathematics
- 6120 Theoretical Fluid Dynamics
- 6121 Functional Differential Equations
- 6130 Introduction to General Relativity
- ~~6160 Partial Differential Equations~~
- 6201 Numerical Methods for Partial Differential Equations
- 6204 Iterative Methods in Numerical Linear Algebra

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- 6573 Statistical Genetics
- 6570-6589 Selected Topics in Statistics and Probability (excluding 6571, 6573, 6586)

Notice that, although the courses 6160, 6310, 6332, 6351, 6510 and 6560 cannot be used to fulfill the 6 credit hours graduate courses requirement, any of them can be listed as part of the program of study as additional course work, whenever the supervisory committee deems it appropriate."

61.2 Physics and Physical Oceanography

Page 662, 2016-2017 Calendar, under the heading 24.19.2 Courses, amend the calendar entry as follows:

“24.19.2 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.

- 6000 Condensed Matter Physics I
- 6001 Condensed Matter Physics II
- 6002 Superconductivity
- 6003 Path Integral Techniques in Condensed Matter Physics
- 6010-19 Special Topics in Condensed Matter Physics
- 6040 Biophysics
- 6060-69 Special Topics in Interdisciplinary Areas
- 6200 Nonlinear Dynamics
- 6308 Ocean Dynamics I
- 6309 Ocean Dynamics II
- 6310 Physical Oceanography
- 6313 Physical Fluid Dynamics
- 6314 Field Oceanography
- 6315 Polar Oceanography
- 6316 Ocean Measurements and Data Analysis
- 6317 Ocean Acoustics
- 6318 Numerical Modelling
- 6319 Climate Dynamics
- 6320 Turbulence
- 6321 Coastal Oceanography
- 6322 Stratified Fluids
- 6323 Stability Theory
- 6324 Models in Ocean Ecology
- 6360-69 Special Topics in Physical Oceanography (excluding 6363)
- 6363 Laboratory Experiments in Geophysical Fluid Dynamics
- 6400 Statistical Mechanics
- 6402 Theory of Phase Transitions
- 6403 Stochastic Processes, Time-Dependent and Non-equilibrium Statistical Mechanics
- 6413 Soft Matter Physics
- 6502 Electrodynamics
- 6720 Theory of Molecules
- 6721 Molecular Spectroscopy
- 6722 Light Scattering Spectroscopy
- 6730 Molecular Theory of Liquids and Compressed Gases

Physics and Physical Oceanography (cont'd)

- 6740 Physics of Atomic Collisions
- 6760-69 Special Topics in Atomic and Molecular Physics
- 6800 Group Theory
- 6810-19 Special Topics in Theoretical and Mathematical Physics
- 6850 Quantum Mechanics I
- 6851 Quantum Mechanics II
- 6900 Techniques in Experimental Condensed Matter Physics
- 6910-19 Special Topics in Experimental and Applied Physics”

Page 710, 2016-2017 Calendar, under the heading 32.30.2 Courses, amend the calendar entry as follows:

“32.30.2 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.

- 6000 Condensed Matter Physics I
- 6001 Condensed Matter Physics II
- 6002 Superconductivity
- 6003 Path Integral Techniques in Condensed Matter Physics
- 6010-19 Special Topics in Condensed Matter Physics
- 6040 Biophysics
- 6060-69 Special Topics in Interdisciplinary Areas
- 6200 Nonlinear Dynamics
- 6308 Ocean Dynamics I
- 6309 Ocean Dynamics II
- 6310 Physical Oceanography
- 6313 Physical Fluid Dynamics
- 6314 Field Oceanography
- 6315 Polar Oceanography
- 6316 Ocean Measurements and Data Analysis
- 6317 Ocean Acoustics
- 6318 Numerical Modelling
- 6319 Climate Dynamics
- 6320 Turbulence
- 6321 Coastal Oceanography
- 6322 Stratified Fluids
- 6323 Stability Theory
- 6324 Models in Ocean Ecology
- 6360-69 (excluding 6363) Special Topics in Physical Oceanography
- 6363 Laboratory Experiments in Geophysical Fluid Dynamics

Physics and Physical Oceanography (cont'd)

- 6400 Statistical Mechanics
- 6402 Theory of Phase Transitions
- 6403 Stochastic Processes, Time-Dependent and NonEquilibrium Statistical Mechanics
- 6413 Soft Matter Physics
- 6502 Electrodynamics
- 6720 Theory of Molecules
- 6721 Molecular Spectroscopy
- 6722 Light Scattering Spectroscopy
- 6730 Molecular Theory of Liquids and Compressed Gases
- 6740 Physics of Atomic Collisions
- 6760-69 Special Topics in Atomic and Molecular Physics
- 6800 Group Theory
- 6810-19 Special Topics in Theoretical and Mathematical Physics
- 6850 Quantum Mechanics I
- 6851 Quantum Mechanics II
- 6900 Techniques in Experimental Condensed Matter Physics
- 6910-19 Special Topics in Experimental and Applied Physics”

61.3 English

Page 593, 2016-2017 Calendar, under the heading 8.9.3 Courses, amend the calendar entry as follows:

“8.9.3 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.

Notes:

1. *Since it is impossible to list in detail the many topics that may from time to time be offered, the titles below refer only to the major periods and general subject areas in which specific courses may be available. The content and approach in specific courses will vary according to the research interests of students and faculty involved in the course. Students should consult the Department's annual Graduate Student Guide (or the Graduate Co-ordinator) for detailed descriptions of specific course offerings. Normally, no fewer than ten graduate courses are offered in any given academic year.*
2. *English 5900 cannot be counted as one of the required graduate courses in any program.*
3. *All students will normally take English 7003 - Trends in Contemporary Literary Theory, usually in their first semester.*

English (cont'd)

4. *Students who took graduate courses in English at Memorial University of Newfoundland before 1997 should consult with the Department before selecting further courses.*

- 5900 Bibliography and Research Methods
- 602F Foundation English for Graduate Students
- 6403 Etymology (*same as Linguistics 6403*)
- 6420 English Dialectology I
- 6421 English Dialectology II
- 6999 Master's Essay (for non-thesis students)
- 7003 Trends in Contemporary Critical Theory
- 7004 English Phonology and Morphology
- 7005 The Syntactic Structure of English
- 7020-25 Special Topics in English
- 7032 Studies in Old English I
- 7033 Studies in Old English II
- 7034 Studies in Middle English I
- 7035 Studies in Middle English II
- 7036 Studies in Middle English III
- 7037 Studies in 16th-Century Literature I
- 7038 Studies in 16th-Century Literature II
- 7039 Studies in 16th-Century Literature III
- 7040 Studies in 16th-Century Literature IV
- 7041 Studies in 17th-Century British Literature I
- 7042 Studies in 17th-Century British Literature II
- 7043 Studies in 17th-Century British Literature III
- 7044 Studies in 17th-Century British Literature IV
- 7045 Studies in 18th-Century British Literature I
- 7046 Studies in 18th-Century British Literature II
- 7047 Studies in 18th-Century British Literature III
- 7048 Studies in 18th-Century British Literature IV
- 7049 Studies in 19th-Century British Literature I
- 7050 Studies in 19th-Century British Literature II
- 7051 Studies in 19th-Century British Literature III
- 7052 Studies in 19th-Century British Literature IV
- 7053 Studies in 20th-Century British Literature I
- 7054 Studies in 20th-Century British Literature II
- 7055 Studies in 20th-Century British Literature III
- 7056 Studies in 20th-Century British Literature IV
- 7057 Studies in Pre-19th Century American Literature
- 7058 Studies in 19th Century American Literature I
- 7059 Studies in 19th-Century American Literature II
- 7060 Studies in 19th-Century American Literature III
- 7061 Studies in 20th-Century American Literature I
- 7062 Studies in 20th-Century American Literature II
- 7063 Studies in 20th-Century American Literature III
- 7064 Studies in 20th-Century American Literature IV

English (cont'd)

- 7065 Studies in Pre-19th Century Canadian Literature
- 7066 Studies in 19th-Century Canadian Literature I
- 7067 Studies in 19th-Century Canadian Literature II
- 7068 Studies in 19th-Century Canadian Literature III
- 7069 Studies in 20th-Century Canadian Literature I
- 7070 Studies in 20th-Century Canadian Literature II
- 7071 Studies in 20th-Century Canadian Literature III
- 7072 Studies in 20th-Century Canadian Literature IV
- 7073 Studies in Newfoundland Literature I
- 7074 Studies in Newfoundland Literature II
- 7075 Studies in Newfoundland Literature III
- 7076 Studies in Anglo-Irish Literature I
- 7077 Studies in Anglo-Irish Literature II
- 7078 Studies in Modern Drama
- 7079 Studies in Post-Colonial Literature I
- 7080 Studies in Post-Colonial Literature II
- 7081 Studies in Post-Colonial Literature III
- 7082 Studies in Critical Theory I
- 7083 Studies in Critical Theory II
- 7084 Studies in Critical Theory III
- 7085 Special Readings in English I
- 7086 Special Readings in English II
- 7087 Special Readings in English III
- 7090 Creative Writing: Fiction
- 7091 Creative Writing: Drama
- 7092 Creative Writing: Non-Fiction
- 7093 Creative Writing: Poetry”

Page 692, 2016-2017 Calendar, under the heading 32.11.2 Courses, amend the calendar entry as follows:

“32.11.2 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.

Notes:

1. *Since it is impossible to list in detail the many topics that may from time to time be offered, the titles below refer only to the major periods and general subject areas in which specific courses may be available. The content and approach in specific courses will vary according to the research interests of students and faculty involved in the course. Students should consult the Department's annual Graduate Student Guide (or the Graduate Co-ordinator) for detailed descriptions of specific course offerings. Normally, no*

English (cont'd)

fewer than 30 credit hours in graduate courses are offered in any given academic year.

2. *English 5900 cannot be counted as one of the required graduate courses in any program.*
3. *All students will normally take English 7003 - Trends in Contemporary Literary Theory, usually in their first semester.*
4. *Students who took graduate courses in English at Memorial University of Newfoundland before 1997 should consult with the Department before selecting further courses.*

- 5900 Bibliography and Research Methods
- 602F Foundation English for Graduate Students
- 6403 Etymology (*same as Linguistics 6403*)
- 6420 English Dialectology I
- 6421 English Dialectology II
- 6999 Master's Essay (for non-thesis students)
- 7003 Trends in Contemporary Critical Theory
- 7004 English Phonology and Morphology
- 7005 The Syntactic Structure of English
- 7020-25 Special Topics in English
- 7032 Studies in Old English I
- 7033 Studies in Old English II
- 7034 Studies in Middle English I
- 7035 Studies in Middle English II
- 7036 Studies in Middle English III
- 7037 Studies in 16th-Century Literature I
- 7038 Studies in 16th-Century Literature II
- 7039 Studies in 16th-Century Literature III
- 7040 Studies in 16th-Century Literature IV
- 7041 Studies in 17th-Century British Literature I
- 7042 Studies in 17th-Century British Literature II
- 7043 Studies in 17th-Century British Literature III
- 7044 Studies in 17th-Century British Literature IV
- 7045 Studies in 18th-Century British Literature I
- 7046 Studies in 18th-Century British Literature II
- 7047 Studies in 18th-Century British Literature III
- 7048 Studies in 18th-Century British Literature IV
- 7049 Studies in 19th-Century British Literature I
- 7050 Studies in 19th-Century British Literature II
- 7051 Studies in 19th-Century British Literature III
- 7052 Studies in 19th-Century British Literature IV
- 7053 Studies in 20th-Century British Literature I
- 7054 Studies in 20th-Century British Literature II
- 7055 Studies in 20th-Century British Literature III
- 7056 Studies in 20th-Century British Literature IV
- 7057 Studies in Pre-19th Century American Literature
- 7058 Studies in 19th Century American Literature I

English (cont'd)

- 7059 Studies in 19th-Century American Literature II
- 7060 Studies in 19th-Century American Literature III
- 7061 Studies in 20th-Century American Literature I
- 7062 Studies in 20th-Century American Literature II
- 7063 Studies in 20th-Century American Literature III
- 7064 Studies in 20th-Century American Literature IV
- 7065 Studies in Pre-19th Century Canadian Literature
- 7066 Studies in 19th-Century Canadian Literature I
- 7067 Studies in 19th-Century Canadian Literature II
- 7068 Studies in 19th-Century Canadian Literature III
- 7069 Studies in 20th-Century Canadian Literature I
- 7070 Studies in 20th-Century Canadian Literature II
- 7071 Studies in 20th-Century Canadian Literature III
- 7072 Studies in 20th-Century Canadian Literature IV
- 7073 Studies in Newfoundland Literature I
- 7074 Studies in Newfoundland Literature II
- 7075 Studies in Newfoundland Literature III
- 7076 Studies in Anglo-Irish Literature I
- 7077 Studies in Anglo-Irish Literature II
- 7078 Studies in Modern Drama
- 7079 Studies in Post-Colonial Literature I
- 7080 Studies in Post-Colonial Literature II
- 7081 Studies in Post-Colonial Literature III
- 7082 Studies in Critical Theory I
- 7083 Studies in Critical Theory II
- 7084 Studies in Critical Theory III
- 7085 Special Readings in English I
- 7086 Special Readings in English II
- 7087 Special Readings in English III”

61.4 Business Administration

Page 669, 2016-2017 Calendar, under the heading 27 Regulations Governing the Degree of Master of Science in Management, amend the calendar entry as follows:

“27 Regulations Governing the Degree of Master of Science in Management

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Professor and Dean

W. Zerbe

The Degree of Master of Science in Management is a research-focused Master’s degree offered by the Faculty of Business Administration. The Degree is offered to full-time students in ~~five~~ four areas in

Business Administration (cont'd)

management: (1) **General Management**; (2) **Human Resources Management/Organizational Behaviour**; (3) **Information Management; and** (4) **Operations Management; ~~and (5) Organizational Behaviour~~**. These regulations must be read in conjunction the **General Regulations** of the School of Graduate Studies of Memorial University of Newfoundland.”

Page 669, 2016-2017 Calendar, under the heading 27.3 Program Areas, amend the calendar entry as follows:

“27.3 Program Areas

Program areas are available in **General Management, Human Resources Management/Organizational Behaviour, Information Management, and Operations Management, ~~and Organizational Behaviour~~**. The program requirements for each program area are outlined below:”

Page 670, 2016-2017 Calendar, under the heading 27.3.2 Human Resources Management/Organizational Behaviour, amend the calendar entry as follows:

“27.3.2 Human Resources Management/Organizational Behaviour Program Requirements

Business 9901; Business 9920, Business 9921; Business 9924, Business 9925; one of Business 8103, Business 9903 or Business 9904; ~~two electives chosen from other graduate course(s) approved by the student's supervisor.~~”

Page 670, 2016-2017 Calendar, under the heading 27.3.3 Information Management Program Requirements, amend the calendar entry as follows:

“27.3.3 Information Management Program Requirements

Business 9901; ~~Business 9911; Business 9918~~ one of Business 8103, Business 9902, Business 9903 or Business 9904; ~~one two~~ of Business 9911, Business 9913, ~~or~~ Business 9915 or Business 9918; ~~one two~~ other graduate courses approved by the student's supervisor.”

Page 670, 2016-2017 Calendar, under the heading 27.3.4 Operation Management Program Requirements, amend the calendar entry as follows:

Business Administration (cont'd)

“27.3.4 Operations Management Program Requirements

Business 9901; Business 9910; ~~Business 9914; Business 9917;~~ one of Business 8103, Business 9902, Business 9903 or Business 9904; one of Business 9912, Business 9914, or Business 9917; and ~~two~~one other graduate course approved by the student's supervisor.”

Page 670, 2016-2017 Calendar, under the heading 27.3.5 Organizational Behavior Program Requirements, amend the calendar entry as follows:

~~“27.3.5 Organizational Behavior Program Requirements~~

~~Business 9901; Business 9920; Business 9924; one of Business 8103, Business 9903 or Business 9904; two electives chosen from other graduate course(s) approved by the student's supervisor.”~~

Page 670, 2016-2017 Calendar, under the heading 27.4 Courses, amend the calendar entry as follows:

“27.4 Courses*

8103 Statistical Applications in Management
9901 Approaches to Management Research
9902 Modeling Methods in Management Research (prerequisite: 9901)
9903 Quantitative Methods in Management Research (prerequisite: 9901)
9904 Qualitative Methods in Management Research (prerequisite: 9901)
9910 Optimization
9911 Data and Process Models in Information Systems Development
9912 Probabilistic Models
9913 Human-Computer Interaction and Decision Support Systems
9914 Supply Chains: Models and Management
9915 Electronic Commerce
9917 Special Topics in Operations Management
9918 Special Topics in Information Systems
9920 Foundations in Organizational Behaviour
9921 Foundations in Human Resource Management
9923 Foundations in Organization Theory
9924 Current Issues in Organizational Behaviour
9925 Current Issues in Human Resource Management
9927 Current Issues in Organization Theory

*Note: A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow”

61.5 Engineering

Page 627, 2016-2017 Calendar, under the heading 13.12.3 Other Courses, amend the calendar entry as follows:

“13.12.3 Other Courses

- 9022 Marine Geotechnical Engineering
- 9052 Ice Properties and Mechanics
- 9090/99 Special Topics in Ocean Engineering (excluding 9096)
- 9096 Marine and Offshore Ice Engineering
- 9111 Well Testing
- 9112 Multiphase Flow
- 9116 Reliability Engineering
- 9117 Offshore Petroleum Geology and Technology
- 9119 Compact Process Equipment Design
- 9120 Advanced Natural Gas Engineering
- 9150-59 Special Topics in Oil and Gas Engineering
- 9200 Industrial Internship
- 9210 Advanced Engineering Materials
- 9390/94 Special Topics in Engineering Management
- 9440 Optimization Principles in Engineering
- 9495/99 Special Topics in Engineering Analysis (excluding 9496)
- 9540/49 Special Topics in Mechanics, Structures and Materials
- 9560 Applied Remote Sensing
- 9601 Environmental Pollution and Mitigation (cross-listed as Environmental Science 6004)
- 9603 Environmental Sampling and Pollutant Analysis (*cross-listed as Environmental Science 6005*)
- 9605 Water and Wastewater Treatment
- 9610/15 Special Topics in Environmental Engineering and Applied Science
- 9621 Soil Remediation Engineering
- 9622 Environmental Statistics
- 9625 Environmental Impacts of Offshore Oil and Gas Operations
- 9626 Environmental Management System
- 9628 Environmental Laboratory
- 9629 Environmental Policy and Regulations
- 9630 Pollution Prevention
- 9713 Stochastic Hydrology
- 9723 Soil Properties and Behaviour (formerly 9720)
- 9750 Advanced Topics in Analysis and Design of Reinforced Concrete (*formerly 9701*)
- 9755 Advanced Topics in Precast and Prestressed Concrete (*formerly 9702*)

Engineering (cont'd)

- 9760/64 Special Topics in Geotechnical Engineering
- 9790 Subsea Pipeline Engineering
- 9791/99 Special Topics in Civil Engineering
- 9802/05 (excluding 9804) Special Topics in Computer Engineering
- 9804 Industrial Machine Vision
- 9806/09 Special Topics in Communications Engineering
- 9815 Electromagnetic Propagation
- 9822 Nonlinear Digital Image Processing and Analysis
- 9825 Random Signals (*formerly 9830*)
- 9835 Advanced Electric Machines
- 9848 Power System Stability (*formerly 9812*)
- 9849 Power System Protection
- 9850/53 Special Topics in Power Systems and Controls
- 9866 Fault-Tolerant Computing (*formerly 9846*)
- 9868 ASIC Design
- 9869 Advanced Concurrent Programming
- 9872 Digital Communications
- 9873 Image Communications
- 9875 Embedded and Real-Time Systems Design
- 9877 Computer and Communications Security
- 9878 Wireless and Mobile Communications
- 9879 Formal Specification and Development
- 9880/83 Special Topics in Computer Engineering
- 9884/87 Special Topics in Signal Processing
- 9888/91 Special Topics in Communications Engineering
- 9892/95 Special Topics in Power Systems and Controls
- 9896 Renewable Energy Systems
- 9897/99 Special Topics in Applied Electromagnetics
- 9910 Advanced Manufacturing
- 9920 Advanced Concepts in Mechanical Design
- 9925 Theory and Design of Mechanical Components and Structures
- 9971 Nonlinear and Random Vibrations Analysis
- 9975/99 (excluding 9977 and 9979) Special Topics in Mechanical Engineering
- 9979 Fluid Structure Interactions
- [9987 Interfacial and Phase Change Phenomena](#)

61.6 Earth Sciences

Page 657, 2016-2017 Calendar, under the heading 24.11.2 Courses, amend the calendar entry as follows:

“24.11.2 Courses

Earth Sciences (cont'd)

A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Department will allow.

- **Overview Courses**
 - 7110 Physics of the Solid Earth
 - 7120 Crustal Geophysics
 - 7300 Changes in Global Paleoenvironment
 - 7400 Tectonic Regimes
 - 7410 Engineering and Environmental Geology
 - 7500 Chemical Fluxes in the Earth
 - 7810 Paleoecology (*same as the former 6810. credit may be obtained for only one of 7810 or 6810*)
- **General Courses**
 - 6070 Quantitative Techniques in Mineralogy and Metamorphic Petrology
 - 6105 Advanced Field Course in Applied Geophysics (may be offered in accelerated format)
 - 6141 Rotation of the Earth
 - 6142 Theory of Global Geodynamics
 - 6152 Paleomagnetism
 - 6171 Advanced Exploration Seismology
 - 6172 Borehole Seismic
 - 6175 Gravity and Magnetic Methods
 - 6177 Mathematical Formulations of Seismic Wave Phenomena
 - 6210 Genesis of Mineral Deposits
 - 6320 Marine Geology
 - 6400 Flow and Transport in Fractured Rock
 - 6410 Advanced Engineering and Environmental Geology
 - 6420 Deformation Mechanisms
 - 6500 Stable Isotope Geochemistry
 - 6510 Trace Element Geochemistry
 - 6520 Methods in Advanced Research in Geochemistry
 - 6540 Radiogenic Isotope Geochemistry
 - 6550 Biogeochemistry
 - 6600 Petroleum Geology
 - 6740 Modern and Ancient Sedimentary Environments
 - 6750 Sequence Stratigraphy
 - 6801 Palaeobiology of Early Animal Life
 - 6820 Palynology and Paleobotany
 - 6900-6999 Special Topics in Earth Sciences"

Page 688, 2016-2017 Calendar, under the heading 32.8.2 Courses, amend the calendar entry as follows:

Earth Sciences (cont'd)

“32.8.2 Courses

A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Department will allow.

- **Overview Courses**
 - 7110 Physics of the Solid Earth
 - 7120 Crustal Geophysics
 - 7300 Changes in Global Paleoenvironment
 - 7400 Tectonic Regimes
 - 7410 Engineering and Environmental Geology
 - 7500 Chemical Fluxes in the Earth
 - 7810 Paleoecology (*same as former 6810. credit may be obtained for only one of 7810 or 6810*)
- **General Courses**
 - 6070 Quantitative Techniques in Mineralogy and Metamorphic Petrology
 - 6105 Advanced Field Course in Applied Geophysics (may be offered in accelerated format)
 - 6141 Rotation of the Earth
 - 6142 Theory of Global Geodynamics
 - 6152 Paleomagnetism
 - 6171 Advanced Exploration Seismology
 - 6172 Borehole Seismic
 - 6175 Gravity and Magnetic Methods
 - 6177 Mathematical Formulations of Seismic Wave Phenomena
 - 6210 Genesis of Mineral Deposits
 - 6320 Marine Geology
 - 6400 Flow and Transport in Fractured Rock
 - 6410 Advanced Engineering and Environmental Geology
 - 6420 Deformation Mechanisms
 - 6500 Stable Isotope Geochemistry
 - 6510 Trace Element Geochemistry
 - 6520 Methods in Advanced Research in Geochemistry
 - 6540 Radiogenic Isotope Geochemistry
 - 6550 Biogeochemistry
 - 6600 Petroleum Geology
 - 6740 Modern and Ancient Sedimentary Environments
 - 6750 Sequence Stratigraphy
 - 6801 Palaeobiology of Early Animal Life
 - 6820 Palynology and Paleobotany
 - 6900-6999 Special Topics in Earth Sciences”

61.7 Social Work

Page 676, 2016-2017 Calendar, under the heading 30.2 Procedure for Admission, amend the calendar entry as follows:

“30.2 Procedure for Admission

1. Applicants must submit an application for admission with supporting documentation to the School of Graduate Studies, which approves recommendations for admission made by the M.S.W. Program Committee of the School of Social Work. The supporting documentation will consist of: an official transcript of the applicant’s previous academic record submitted directly from the institution(s) attended; a statement of previous professional employment; a list of any published or unpublished works; a declaration of program emphasis and educational objectives; and two letters of appraisal, to be submitted by two referees, one assessing the applicant’s previous academic performance and one assessing the applicants previous practice performance. Letters of appraisal are to be submitted directly to the School of Graduate Studies by the referees.

*Note: Independent of admission to the program, agencies providing the mandatory field **internship practicum** may have a range of additional requirements such as Criminal Record Check, Child Protection Records Check, or Health Check.*

2. The deadline date for receipt of applications for admission in September of each year is January 15 of the same year. All application forms and supporting documentation for admission to the program must be submitted to the School of Graduate Studies on or before the deadline of January 15. Under special circumstances, late applications and admissions in other semesters may be considered.

3. The M.S.W. Program Committee of the School of Social Work may require the applicant to be interviewed by one or more faculty members of the M.S.W. Program Admissions Subcommittee.

4. A person who meets the basic admission requirements under Qualifications for Admission, may, space permitting, take SCWK 6012 without being admitted to the M.S.W. program. Persons wishing to take a course under this provision must have applied for admission to the M.S.W. program by January 15th of the same year, and been placed on the waitlist. If there are available seats in the course, the applicant will need to submit to the School of Social Work the appropriate form requesting permission to register in a graduate course, and apply or reapply for admission to Memorial University of Newfoundland as an undergraduate.

5. A person who has completed an M.S.W. degree is eligible to register in any M.S.W. course offering, space permitting.”

Page 676, 2016-2017 Calendar, under the heading 30.4 Field Internship SCWK 6917, amend the calendar entry to read as follows:

Social Work (cont'd)

“30.4 Field Internship Practicum SCWK 6917

Each M.S.W. student is required to complete a 500 hour field internship practicum that is to be conducted in a setting and supervised by a qualified field instructor approved by the School of Social Work. Field Instructors must have as a minimum qualification a M.S.W. Degree and a minimum of two years post-M.S.W. social work employment.

Field internships practica may be offered in whole or in part outside the normal start and end dates of a semester. Part-time field internships practica of two semesters will require approval from the proposed agency, field instructor, and the M.S.W. Field Education Coordinator.

The M.S.W. Field Education Coordinator is responsible for facilitating appropriate matches among the student, field instructor, and field internship practicum setting. Although consideration will be given to all factors affecting the location and type of social work field internships practica, final approval of field internships practica rests with the School of Social Work. The School cannot guarantee the availability of M.S.W. field instruction in all communities and at all times. Students are responsible for their own financial support during the field internship practicum.

At least four months prior to the commencement of the semester in which they intend to begin SCWK 6917, all students shall submit a completed Intent to Register in M.S.W. Field Internship Practicum form and a current resume to the M.S.W. Field Education Coordinator. At least six weeks before the internship practicum commences, students shall submit an M.S.W. Field Internship Practicum Proposal to the Coordinator. 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 Criminal Record Check, Child Protection Records Check, or Health Check, which must be completed 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 procedures of any given agency may change from time to time and are beyond the control of the University.

Evaluation of the field internship practicum will be on a PAS/FAIL basis. Students who voluntarily withdraw from the field internship practicum without prior approval of the M.S.W. Field Education Coordinator, or who conduct themselves in such a manner as to cause the agency and the M.S.W. Field Education Coordinator to terminate the placement practicum, will normally be awarded a grade of FAIL in the field internship practicum.

Social Work (cont'd)

Students who voluntarily withdraw from the field **internship practicum** with the prior approval of the M.S.W. Field Education Coordinator cannot be guaranteed a second **internship-practicum** during that semester. In this case, the student will be awarded a grade of INC for the field **internship practicum**. The student shall normally complete a field **internship practicum** the following semester.”

Page 677, 2016-2017 Calendar, under the heading 30.6 Period of Study, amend the calendar entry as follows:

“30.6 Period of Study

1. For students admitted to the program under Plan of Study above:
For part-time students, the program is designed to permit completion of all degree requirements within three academic years (nine semesters) or two academic years (six semesters). The following is a sample program of study for nine semesters:

Fall Semester:

SCWK 6012 in Year 1

SCWK 6000, 6013, 6313, 6315 or 6413 in Year 2

SCWK 6000, 6013, 6313,

6315 or 6413 in Year 3

Winter Semester:

SCWK 6013, 6014, 6313, 6314, or 6413 in Year 1

SCWK 6000, 6013, 6014, 6313, 6314, or 6413 in Year 2

SCWK 6000, 6013, 6014, 6313,

6314, or 6413 in Year 3

Spring Semester:

SCWK 6014, 6314 or 6315 in Year 1

SCWK 6000, 6014, 6314 or 6315 in Year 2

SCWK 6917 (Field **Internship Practicum**) may be completed in Fall/Winter/Spring of Year 3

SCWK 6417 (Pathway Scholarship) is the final requirement to be completed and may be completed in the same semester as SCWK 6917 (Field **Internship Practicum**). Students are required to register for SCWK 6000 concurrently with SCWK 6917 and 6417.

2. For full-time students, course route, the program is designed to permit completion of all degree requirements within one academic year (three semesters), as follows:

Fall Semester:

SCWK 6000, 6012, 6313 (institute) and 6413. Thesis students are required to complete 6313 and only one of the two institute courses 6314 or 6315

Winter Semester:

SCWK 6000, 6013, 6014,

and 6314 (institute) Spring

Semester:

Social Work (cont'd)

SCWK 6000, 6315 (institute), 6417 (pathway scholarship), and 6917 (Field **Internship Practicum**).

3. For full-time students, thesis route, the program is designed to permit completion of all degree requirements within one academic year (three semesters), as follows:

Fall Semester:

SCWK 6000, 6012, 6313
(institute) and 6413 Winter

Semester:

SCWK 6000, 6013, 6014, 6314 (institute). Thesis students are required to complete 6313 and only one of the two institute courses 6314 or 6315 Spring Semester:

SCWK 6000, 6315, 6917 (Field **Internship Practicum**), thesis. Thesis students are required to complete 6313 and only one of the two institute courses 6314 or 6315.”

Page 678, 2016-2017 Calendar, under the heading 30.8 Courses, amend the calendar entry as follows:

“30.8 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.

Program Courses

6000 Pathway (mandatory repeatable non-credit course)

6012 Critical Thinking and Reflection (credit may not be obtained for both 6012 and the former 6011)

6013 Leadership for Social Justice (prerequisite/co-requisite 6012) (credit may not be obtained for both 6013 and the former 6540)

6014 Leadership in Social Policy and Programs (prerequisite/co-requisite 6012) (credit may not be obtained for both 6014 and the former 6530)

6313 Perspectives with Individuals and Families (prerequisite/co-requisite 6012) (credit may not be obtained for both 6313 and the former 6312 or 6322)

6314 Perspectives with Diverse Communities (prerequisite 6012) (credit may not be obtained for both 6314 and the former 6230)

6315 Perspectives with Groups (prerequisite 6012) (credit may not be obtained for both 6315 and the former 6332)

6413 Research Theory, Design, and Analysis (prerequisite/co-requisite 6012) (credit may not be obtained for both 6413 and the former 6412 or 6422)

Social Work (cont'd)

6417 Pathway Scholarship (following completion of all other program components) (credit may not be obtained for both 6417 and the former 6432 or 6442)

6917 Field **Internship Practicum** (prerequisites 6012, 6013, 6014, 6313 and 6413 and prerequisite/co-requisite two of 6314 and 6315 for course route students; one of 6314 or 6315 for thesis route students) (credit may not be obtained for both 6917 and the former 6912)”

61.8 Scientific Computing and Computer Science

Page 656, 2016-2017 Calendar, under the heading 24.10.4 Courses, amend the calendar entry as follows:

“24.10.4 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. Normally, students will be expected to complete their course work during the fall and winter semesters. Courses might not be offered in the spring semester.

601W Work Term

6758-6769 Special Topics in Computer Applications

6770-6790 Special Topics in Computer Science

690A/B Research Methods in Computer Science

6901 Applied Algorithms (*credit may be obtained for only one of 6901 and 6783*)

6902 Computational Complexity (*credit may be obtained for only one of 6902 and 6743*)

6903 Concurrent Computing

6904 Advanced Computer Architecture (*credit may be obtained for only one of 6904 and 6722*)

6905 Software Engineering (*credit may only be obtained for one of 6905 or 6713*)

6906 Numerical Methods (*credit may only be obtained for one of 6906 or 6731*)

6907 Introduction to Data Mining (*credit may be obtained for only one of 6907 and 6762*)

6908 Database Technology and Applications (*credit may be obtained for only one of 6908 and 6751*)

6909 Fundamentals of Computer Graphics (*credit may be obtained for only one of 6909 or 6752*)

6910 Services Computing, Semantic Web and Cloud Computing

6911 Bio-inspired Computing

6912 Autonomous Robotics (*credit may be obtained for only one of 6912 and 6778*)

6913 Bioinformatics

Scientific Computing and Computer Science (cont'd)

6914 3D Modelling and Rendering
6915 Machine Learning
6916 Security and Privacy
6918 Digital Image Processing (*credit may be obtained for only one of 6918 or 6756*)
6921 Syntax and Semantics of Programming Languages (*credit may be obtained for only one of 6921 or 6711*)
6922 Compiling Methods (*credit may be obtained for only one of 6922 and 6712*)
6924 Formal Grammars, Automata and Languages
6925 Advanced Operating Systems
6926 Performance Evaluation of Computer Systems
6928 Knowledge-Based Systems (*credit may be obtained for only one of 6928 or 6755*)
6929 Advanced Computational Geometry (*credit may be obtained for only one of 6929 or 6745*)
6930 Theory of Databases (*credit may be obtained for only one of 6930 or 6742*)
6931 Matrix Computations and Applications (*credit may only be obtained for one of 6931, ~~or~~ 6732, and CMSC 6910*) (*cross-listed with CMSC 6910*)
6932 Matrix Computations in Control (*credit may only be obtained for one of 6932 or 6738*)
6999 Master's Project"

Page 665, 2016-2017 Calendar, under the heading 24.21.6 Courses, amend the calendar entry as follows:

"24.21.6 Courses

Core Courses

Computer Science 6731 Topics in Numerical Methods
Mathematics 6201 Numerical Methods for Partial Differential Equations
Mathematics 6210 Numerical Solutions of Differential Equations
Scientific Computing 6009 Master's Project
Scientific Computing 6910 Matrix Computations and Applications or
Computer Science ~~6732~~ 6931 Matrix Computations and applications
(*credit may be obtained for only one of ~~the~~ CMSC 6910 ~~and~~, COMP 6732 and COMP 6931*)
Scientific Computing 6920 Applied Scientific Programming
Scientific Computing 6930 Algorithms for Distributed and Shared Memory Computers
Scientific Computing 6950 Computer Based Tools and Applications
(*credit may be obtained for only one of CMSC 6950 and the former CMSC 6940*)

Scientific Computing and Computer Science (cont'd)

Additional Courses

The following courses are identified as suitable for students in this program. Other courses may be permitted with the approval of the Program Chair.

Biochemistry

6000-6009 Special Topics in Biochemistry
6010-6019 Special Topics in Nutrition and Metabolism
6020-6029 Special Topics in Food Science
6400 Control of Intermediary Metabolism
6460 Structural Biochemistry
6520 Nutritional Biochemistry
6530 Food Biochemistry
6590 Cellular, Molecular and Developmental Biology (*credit restricted with Biology 6590 and Medicine 6590*)
6630 Marine Biochemistry
6680 Processing and Quality of Foods

Chemistry

6201 Bioinorganic Chemistry
6204 Mechanisms in Catalysis
6205 Photochemistry of Transition Metal Complexes
6210 Organometallic Chemistry
6300 Quantum Chemistry I
6301 Quantum Chemistry II
6302 Molecular Spectroscopy
6304 Computational Chemistry I
6310 Electronic Structure Theory
6323 Chemical Thermodynamics I
6324 Chemical Thermodynamics II
6340 Biophysical Chemistry
6350 Electrochemical Kinetics
6360 Solid State Chemistry
6380 Adsorption on Surfaces
6381 Surface and Interface Science
6382-6389 Selected Topics in Physical Chemistry
6390-6398 Selected Topics in Physical Chemistry
6399 Chemical Kinetics and Dynamics
6401 Organic Spectroscopic Analysis I
6402 Organic Spectroscopic Analysis II
6470 Physical Organic Chemistry
6590-6599 Selected Topics in Theoretical and Computational Chemistry
6600 Applications of Inorganic and Organometallic Chemistry to Toxicology

Scientific Computing and Computer Science (cont'd)

Computer Science

~~6722~~ **6904** Advanced Computer Architectures (*credit may be obtained for only one of 6904 and 6722*)

~~6743~~ **6905** Software Engineering (*credit may be obtained for only one of 6905 and 6713*)

~~6728-6729~~ Special Topics in Computer Systems—Computer Networks

~~6731~~ Topics in **6906** Numerical Methods (*credit may be obtained for only one of 6906 and 6731*)

~~6738-6739~~ Special Topics in Numerical Methods

~~6752~~ Applications **6909 Fundamentals** of Computer Graphics (*credit may be obtained for only one of 6909 and 6752*)

~~6756~~ **6918** Digital Image Processing (*credit may be obtained for only one of 6918 and 6756*)

~~6732-6931~~ Matrix Computations **and Applications** (*credit may be obtained for only one of 6732, 6931 and CMSC 6910*)

Earth Sciences

6141 Rotation of the Earth

6142 Theory of Global Geodynamics

6171 Advanced Exploration Seismology

6172 Borehole Seismic

6175 Gravity and Magnetic Methods

6177 Mathematical Formulations of Seismic Wave Phenomena

6918 Airborne and Borehole Electromagnetic Methods

6994 Special Topics in Earth Sciences - Geophysical Inversion and Applications

7110 Physics of the Solid Earth

7120 Crustal Geophysics

Engineering and Applied Science

9015 Ocean Engineering Hydrodynamics

9052 Ice Properties and Mechanics

9501 Finite Element Analysis **with Engineering Applications**

9713 Stochastic Hydrology

9815 Electromagnetic Propagation

9821 Digital Signal Processing

9826 Advanced Control Systems

9861 High-Performance Computer Architecture

9865 Advanced Digital Systems

9869 Advanced Concurrent Programming

9871 Information Theory and Coding

Mathematics and Statistics

6112-6119 Special Topics in Applied Mathematics

6201 Numerical Methods for Partial Differential Equations

6210 Numerical Solution of Differential Equations (required course for Scientific Computing)

Scientific Computing and Computer Science (cont'd)

6212 Numerical Methods for Initial Value Problems
6588 Selected Topics in Statistics and Probability - Generalized Additive Models with Applications in Scientific Visualization

Physics and Physical Oceanography

6000 Condensed Matter Physics I
6200 Nonlinear Dynamics
6308 Ocean Dynamics I
6309 Ocean Dynamics II
6310 Physical Oceanography
6316 Ocean Measurements and Data Analysis
6317 Ocean Acoustics
6318 Numerical Modelling
6320 Turbulence
6321 Coastal Oceanography
6323 Stability Theory
6400 Statistical Mechanics
6402 Theory of Phase Transitions
6800 Group Theory
6850 Quantum Mechanics I

Scientific Computing

601W Work Term 1
602W Work Term 2
6910 Matrix Computations and Applications (*credit may be obtained for only one of CMSC 6910, ~~and~~ COMP 6732 and 6931) (cross-listed with COMP 6931)*
6920 Applied Scientific Programming
6925 Tools of the Trade for Programming High Performance Computers (2 credit hours)
6930 Algorithms for Distributed and Shared Memory Computers
6950 Computer Based Tools and Applications (*credit may be obtained for only one of CMSC 6950 and the former CMSC 6940*)”

Page 687, 2016-2017 Calendar, under the heading 32.7.2 Courses, amend the calendar entry as follows:

“32.7.2 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.

6758-6769 Special Topics in Computer Applications
6770-6790 Special Topics in Computer Science
690A/B Research Methods in Computer Science

Scientific Computing and Computer Science (cont'd)

- 6901 Applied Algorithms (*credit may be obtained for only one of 6901 and 6783*)
6902 Computational Complexity (*credit may be obtained for only one of 6902 and 6743*)
6903 Concurrent Computing
6904 Advanced Computer Architecture (*credit may be obtained for only one of 6904 and 6722*)
6905 Software Engineering (*credit may only be obtained for one of 6905 or 6713*)
6906 Numerical Methods (*credit may only be obtained for one of 6906 or 6731*)
6907 Introduction to Data Mining (*credit may be obtained for only one of 6907 and 6762*)
6908 Database Technology and Applications (*credit may be obtained for only one of 6908 and 6751*)
6909 Fundamentals of Computer Graphics (*credit may be obtained for only one of 6909 or 6752*)
6910 Services Computing, Semantic Web and Cloud Computing
6911 Bio-inspired Computing
6912 Autonomous Robotics (*credit may be obtained for only one of 6912 and 6778*)
6913 Bioinformatics
6914 3D Modelling and Rendering
6915 Machine Learning
6916 Security and Privacy
6918 Digital Image Processing (*credit may be obtained for only one of 6918 or 6756*)
6921 Syntax and Semantics of Programming Languages (*credit may be obtained for only one of 6921 or 6711*)
6922 Compiling Methods (*credit may be obtained for only one of 6922 and 6712*)
6924 Formal Grammars, Automata and Languages
6925 Advanced Operating Systems
6926 Performance Evaluation of Computer Systems
6928 Knowledge-Based Systems (*credit may be obtained for only one of 6928 or 6755*)
6929 Advanced Computational Geometry (*credit may be obtained for only one of 6929 or 6745*)
6930 Theory of Databases (*credit may be obtained for only one of 6930 or 6742*)
6931 Matrix Computations and Applications (*credit may only be obtained for one of 6931, ~~or~~ 6732 and CMSC 6910 (cross-listed with CMSC 6910)*)
6932 Matrix Computations in Control (*credit may only be obtained for one of 6932 or 6738*)”

61.9 Business Administration

Page 701, 2016-2017 Calendar, under the heading 32.23 Management, amend the calendar entry as follows:

“32.23 Management

www.business.mun.ca

Professor and Dean

W. Zerbe

The Degree of Doctor of Philosophy in Management is offered in the Faculty of Business Administration. The designation refers to management in the broad context. The Degree will offer specializations corresponding to functional areas in management. The Degree currently is offered with specializations in: (1) operations and information management, ~~and~~ (2) organizational behaviour and human resources management, and (3) general management.

The Degree of Doctor of Philosophy in Management is offered by full-time study to qualified candidates. The **General Regulations** of the School of Graduate Studies and the Degree Regulations of the Faculty of Business Administration outlined below, will apply.

32.23.1 Admission to the Ph.D. Program

Admission is limited and competitive. General qualifications for admission to the Ph.D. Programs at Memorial University of Newfoundland are set out under **General Regulations, Qualifications for Admission**. Applicants from all disciplines will be considered.

In addition:

1. Quantitative and qualitative competency are required as evidenced by an acceptable balanced GMAT (minimum score of 600) (or a minimum GRE score of 302).
2. An applicant who did not complete a Master's degree at a recognized university where English is the primary language of instruction must normally complete either the: Test of English as a Foreign Language (TOEFL) and achieve a paper-based score of 580 (or higher), computer-based score of 237 (or higher), or Internet-based score of 92-93 (or higher); or International English Language Testing System (IELTS) and achieve a score of 7 (or higher).

Information regarding the TOEFL is available from the Educational Testing Service at www.ets.org. IELTS information is available at www.ielts.org. It is noted that other equivalent tests acceptable to the School of Graduate Studies will also be considered.

Business Administration (cont'd)

32.23.2 Supervisory Committee

Until a supervisory committee has been formed, the Ph.D. Program Director will be the designated advisor of each Ph.D. student. Each candidate will have a supervisory committee consisting of three or more members, at least two of whom shall be members of the Faculty of Business Administration. The thesis Supervisor shall be a doctorally qualified faculty member in the Faculty of Business Administration, Memorial University of Newfoundland, having a recent (past five years) research track record suitable to provide research supervision at the Ph.D. level. The supervisory committee will be appointed no later than the end of the first year of studies.

Students are encouraged to find a Supervisor within the first year of the program and, together with the Supervisor, find the remaining committee members by the time all required courses are completed.

32.23.3 Components of Study

32.23.3.1 Courses

Students are required to complete successfully a program of courses, normally over the first two years of the program. Students without an adequate background in the functional areas of business may be required to take additional breadth courses. Such determination will be made by the Graduate Research Programs Committee when a student is accepted into the program.

Required for all Specializations

Philosophy 6015 Theory of Knowledge

Business 9901 Approaches to Management Research

One of

Business 9902 Modelling Methods In Management Research

Business 9903 Quantitative Methods In Management Research*

Business 9904 Qualitative Methods In Management Research**

Business 9901 is to be completed before any of Business 9902, 9903, 9904 is attempted. In exceptional cases Business 9901 may be completed concurrently with 9902, 9903 or 9904, with approval from the Director of the Program and the Supervisor.

*Alternatively, students may elect to take an equivalent quantitative methods graduate course on the approval of the Ph.D. Program Director and the Supervisor.

Business Administration (cont'd)

**Alternatively, students may elect to take an equivalent qualitative methods graduate course on the approval of the Ph.D. Program Director and the Supervisor.

Note: Waivers shall not be granted in the Ph.D. program for previously completed course work at either the undergraduate or master's level.

Operations and Information Management (OIM) Specialization Courses

In addition to the above-noted courses required for all specializations, the following courses are required for the Operations and Information Management specialization.

1. Four of the following courses:

- Business 9910 Optimization
- Business 9911 Data and Process Models in Information Systems Development
- Business 9912 Probabilistic Models
- Business 9913 Human-Computer Interaction and Decision Support Systems
- Business 9914 Supply Chains: Models and Management
- Business 9915 Electronic Commerce
- Business 9917 Special Topics in Operations Management
- Business 9918 Special Topics in Information Systems

2. Two graduate courses subject to the approval of the Director of the Program and the Supervisor

Recommended Sequence for Operations and Information Management (OIM) Specialization Table

Semester	Courses
Year 1 Fall	Philosophy 6015 Theory of Knowledge BUSI 9901 Approaches to Management Research BUSI 9910 Optimization BUSI 9911 Data and Process Models in Information Systems Development <u>Two of *, **, ***</u> <u>Business 9910 Optimization</u> <u>Business 9911 Data and Process Models in Information Systems Development</u> <u>Business 9912 Probabilistic Models</u> <u>Business 9913 Human-Computer Interaction and Decision Support Systems</u>

	<u>Business 9914 Supply Chains: Models and Management</u> <u>Business 9915 Electronic Commerce</u> <u>Business 9917 Special Topics in Operations Management</u> <u>Business 9918 Special Topics in Information Systems</u>
Year 1 Winter	BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research BUSI Probabilistic Models BUSI Human-Computer Interaction and Decision Support Systems <u>Two of *, **, ***</u> <u>Business 9910 Optimization</u> <u>Business 9911 Data and Process Models in Information Systems Development</u> <u>Business 9912 Probabilistic Models</u> <u>Business 9913 Human-Computer Interaction and Decision Support Systems</u> <u>Business 9914 Supply Chains: Models and Management</u> <u>Business 9915 Electronic Commerce</u> <u>Business 9917 Special Topics in Operations Management</u> <u>Business 9918 Special Topics in Information Systems</u>
Year 1 Spring	Summer Research Project
Year 2 Fall	BUSI 9914 Supply Chain: Models and Management* BUSI 9915 Electronic Commerce <u>Two graduate courses subject to the approval of the supervisor</u> Graduate Program in Teaching (Recommended (non-credit))
Year 2 Winter	BUSI 9917 Special Topics in Operations Management* BUSI 9918 Special Topics in Information Systems**

Notes:

1. * -A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow
2. ** Students who are planning to specialize in Information Systems are advised to take Business 9911, Business 9913, Business 9915, and Business 9918.
3. *** Students who are planning to specialize in Operations Management are advised to take Business 9910, Business 9912, Business 9914, and Business 9917

- ~~1. * Students who are planning to specialize in Information Systems can substitute appropriate graduate courses for BUSI 9914 and 9917 on the approval of the Director of the Program and the Supervisor.~~
- ~~2. ** Students who are planning to specialize in Operations Management can substitute appropriate graduate courses for BUSI 9915 and 9918 on the approval of the Director of the Program and the Supervisor.~~

Organizational Behaviour and Human Resources Management Specialization Courses

In addition to the above-noted courses required for all specializations, the following courses are required for the Organizational Behaviour and Human Resources Management specialization.

1. Required courses:
 Business 9920 Foundations in Organizational Behaviour
 Business 9921 Foundations in Human Resources Management
 Business 9924 Current Issues in Organizational Behaviour
 Business 9925 Current Issues in Human Resources Management
2. ~~Four~~ Two of:
~~Business 9922 Foundations in Industrial Relations~~
 Business 9923 Foundations in Organizational Theory
~~Business 9926 Current Issues in Industrial Relations~~
 Business 9927 Current Issues in Organizational Theory
 Business 9928-9939 Special Topics in Organizational Behaviour/Human Resources Management

Any other graduate course subject to the Director of the Program and the Supervisor

Recommended Sequence for Organizational Behaviour and Human Resources Management Specialization Table

Semester	Courses
Year 1 Fall	Philosophy 6015 Theory of Knowledge BUSI 9901 Approaches to Management Research BUSI 9920 Foundations of Organizational Behaviour BUSI 9921 Foundations of Human Resources Management
Year 1 Winter	BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research Business 9924 Current Issues in Organizational Behaviour Business 9925 Current Issues in Human Resources Management
Year 1 Spring	Summer Research Project

Year 2 Fall	Two of: BUSI 9922 , 9923, 9926 , 9927, 9928-9939* or any other graduate course subject to the approval of the Supervisor (** Offerings subject to scheduling) Graduate Program in Teaching (Recommended (non-credit))
Year 2 Winter	Two of: of: BUSI 9922 , 9923, 9926 , 9927, 9928-9939 or any other graduate course subject to the approval of the Supervisor (** Offerings subject to scheduling)

Notes:

1. * A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow

General Management Specialization Courses

In addition to the above-noted courses required for all specializations, the following courses are required for the General Management specialization.

1. Required courses:

Business 9923 Foundations in Organizational Theory
Business 9927 Current Issues in Organizational Theory

- ~~1.~~ 2. Four graduate courses subject to the approval of the Director of the Program and the Supervisor

Recommended Sequence for General Management Specialization Table

<u>Semester</u>	<u>Courses</u>
<u>Year 1 Fall</u>	<u>Philosophy 6015 Theory of Knowledge</u> <u>BUSI 9901 Approaches to Management Research</u> <u>BUSI 9923 Foundations of Organizational Theory</u> <u>One graduate course subject to the approval of the Supervisor*</u>
<u>Year 1 Winter</u>	<u>BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research</u> <u>Business 9927 Current Issues in Organizational Theory</u> <u>One graduate course subject to the approval of the Supervisor *</u>
<u>Year 1 Spring</u>	<u>Summer Research Project</u>
<u>Year 2 Fall</u>	<u>Two graduate courses subject to the approval of the Supervisor*</u> <u>Graduate Program in Teaching (Recommended (non-credit))</u>

Notes:

1. * A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow

Business Administration (cont'd)

32.23.3.2 Summer Research Project

During the first summer in the program, students will complete a research project under the supervision of a qualified faculty member in the area of specialization. Projects must be presented at a Faculty of Business Administration research seminar during the second year of the program.

32.23.3.3 Research Seminar Participation

Students are expected to attend research seminars offered by the Faculty of Business Administration in their discipline. Presentation of student conference papers where the Faculty of Business Administration funds travel is expected at a Faculty of Business Administration research seminar. In addition, students may be requested to present their work at other Faculty seminars where and when feasible.

32.23.3.4 Comprehensive Examination

Students shall undertake a mandatory written comprehensive examination, following General Regulation **Comprehensive Examinations, Ph.D. Comprehensive Examination**, which sets out the procedures for the comprehensive examination.

In addition:

1. A candidate in the Ph.D. Program in Management shall normally take the written Comprehensive Examination by the end of the seventh semester of the program. The candidate must have successfully completed all required courses prior to writing the Comprehensive Examination. The scope of the Comprehensive Examination will be determined by the Examining Committee (as defined in General Regulation **Comprehensive Examinations, Ph.D. Comprehensive Examination**) under the guidance of the Supervisory Committee.
2. A list of topics/areas for the Comprehensive Examination will be provided to the student no later than three months prior to the date of the examination.
3. The written examination will take place in three phases over a one-week period.
4. Based on the results of the written examination, the Examining Committee may schedule a supplementary oral examination on any topics covered on the written examination. The oral examination request must be made to the Dean within two weeks of completion of the written examination. The oral examination, if any, must take place within six weeks of completion of the written examination.

Business Administration (cont'd)

5. The scheduling of the Comprehensive Examination will be initiated by the student's Supervisor who will notify the Dean of the Faculty of Business Administration or designate. The date of the written examination will be determined by the Dean of the School of Graduate Studies. The student will be provided with written notice of the scheduled dates of the written examinations. In the case of oral examinations, requests will be initiated by the Examining Committee or the student (as described above in 4.) through the School of Graduate Studies.

32.23.3.5 Ph.D. Thesis Regulations

1. The candidate must submit a thesis proposal to all members of the Supervisory Committee for evaluation and approval by the end of the eighth semester of the program. Within one month of submitting the proposal, the Candidate will give a public oral presentation of the proposal, attended by the Committee. The presentation will provide the Committee and others in attendance with an opportunity to raise questions about the proposal research. Immediately following the presentation, the Supervisory Committee will meet to assess the proposal. Assessment will result in one of the following three outcomes: (1) accept; (2) accept with changes; or (3) reject. The results of this assessment will be provided to the student following the meeting. Assessments of accept with changes or reject will be accompanied by written comments within one week of the proposal presentation.
2. If the proposal is rejected, the candidate will be permitted a second proposal. This proposal must be submitted and deemed acceptable by the Supervisory Committee within four months of the original proposal presentation. Failure to resubmit within this time period will lead to termination of the candidate's program.
3. The Ph.D. thesis will constitute an independent and original research contribution.
4. The Ph.D. thesis will be evaluated according to the process established in General Regulation **Theses and Reports, Evaluation of Ph.D. Theses** governing the School of Graduate Studies."

REGULAR AGENDA

62. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

62.1 Department of Chemistry

It was moved by Professor Walsh and seconded by Dr. Fridgen, and carried that on page 497, 2016-2017 Calendar, following section 9.3.7.3 Other Information, insert the following new calendar entry as follows:

Department of Chemistry (cont'd)

“9.3.8 General Degree in Chemistry (Biological)

Students wishing to pursue a General Degree in Chemistry (Biological) are encouraged to contact the Department Head or the Deputy Head (Undergraduate Studies) as early as possible.

9.3.8.1 Required Courses

1. a. Chemistry 1050 and 1051, 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, and 4410.
b. At least 6 credit hours from Chemistry 3210, 3303, 3411 or any 4000-level Chemistry course.
2. Biology 1001, 1002, 2250, 2060, and 3050 and at least 6 credit hours chosen from Biology 3530, 3950, 3951, 4245, 4251, 4010, 4050, 4404.
3. Biochemistry 2101 and at least 6 credit hours from Biochemistry 3105, 3106, 3107, 4101, and 4201.
4. Mathematics 1000 and 1001. Statistics 2550 is strongly recommended.
5. Physics 1050 (or 1020) and Physics 1051 (or 1021).
6. Six credit hours in English.

9.3.8.2 Other Information

1. In their first year, prospective students for the General Degree in Chemistry (Biological) should take
 - a. Six credit hours in English
 - b. Chemistry 1050 and 1051
 - c. Biology 1001 and 1002
 - d. Physics 1050 (or 1020) and 1051 (or 1021)
 - e. Mathematics 1000 and 1001
2. This program fulfills the first and second teachable requirements for admission into the Bachelor of Education (Intermediate/Secondary) at Memorial University with Chemistry and Biology as the first and second teachable subjects, respectively.
3. Students in the Chemistry (Biological) program are not able to also qualify for a minor in Biology.
4. Some courses in 9.3.8.1 require one or more prerequisites that are not defined as part of the program.

9.3.9 Honours Degree in Chemistry (Biological)

Students wishing to take Honours should consult those sections of the Calendar dealing with Regulations for the Honours Degree Bachelor of Science. Students wishing to pursue an Honours Degree in Chemistry (Biological) are encouraged to contact the Department Head or the Deputy Head (Undergraduate Studies) as early as possible.

Department of Chemistry (cont'd)

9.3.9.1 Required Courses

1. a. Chemistry 1050 and 1051, 2100, 2210, 2301, 2302, 2400, 2401, 3110, 3211, 4410 and 490A/B.
b. At least 3 credit hours from Chemistry 3210, 3303, 3411 or any 4000-level Chemistry course not used to fulfill 1.c.
c. At least 3 credit hours from Chemistry 4151, 4201, 4206, 4305, or 4701.
2. Biology 1001, 1002, 2250, 2060, and 3050 and at least 6 credit hours chosen from Biology 3530, 3950, 3951, 4245, 4251, 4050, 4010, 4404.
3. Biochemistry 2101, and at least 6 credit hours from Biochemistry 3105, 3106, 3107, 4101, and 4201.
4. Mathematics 1000 and 1001. Statistics 2550 is strongly recommended.
5. Physics 1050 (or 1020) and Physics 1051 (or 1021).
6. Six credit hours in English.

9.3.9.2 Other Information

1. In their first year, prospective Honours students in Chemistry (Biological) should take
 - a. Six credit hours in English
 - b. Chemistry 1050 and 1051
 - c. Biology 1000 and 1001
 - d. Physics 1050 (or 1020) and 1051 (or 1021)
 - e. Mathematics 1000 and 1001
2. Those courses in which a grade of B or an average of 75% or higher are required as specified in the Regulations for the Honours Degree of Bachelor of Science, Academic Standing, clause a., are the courses beyond first year used to satisfy clauses 1, 2, and 3 under Required Courses above.
3. Chemistry 490A/B will normally require the equivalent of nine hours per week for two semesters. Registration in Chemistry 490A/B is restricted to those students who have honours standing. The Honours dissertation will be assessed by a committee comprising the supervisor and one other faculty member. 490 A/B Projects are to be approved by the Head of the department or delegate.
4. The Honours in Chemistry (Biological) program can be completed in four years. Students should consult the Undergraduate Student Handbook for timetabling details:
(http://www.chem.mun.ca/ugrad.php?content=undergraduate_handbook).
5. Students completing first year requirements for any of Chemistry, Mathematics, or Physics via the three course options (i.e. Chemistry 1010, 1050, 1051 (or 1010, 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

Department of Chemistry (cont'd)

1050, 1051) will require the corresponding number of extra credits to obtain an Honours degree.

6. With the permission of the head of the department, 6000-level courses may be taken in the final year of the Honours Program.

7. This program fulfills the first and second teachable requirements for admission into the Bachelor of Education (Intermediate/Secondary) at Memorial University with Chemistry and Biology as the first and second teachables, respectively.

8. Students in the Chemistry (Biological) program are not able to also qualify for a minor in Biology.

9. Some courses in 9.3.9.1 require one or more prerequisites that are not defined as part of the program.”

Page 495, 2016-2017 Calendar, under the heading 9.3 Chemistry, amend the calendar entry as follows:

“9.3 Chemistry

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
8. Major or Honours in Chemistry (Biological)

The Majors, and Honours in Chemistry and Chemistry(Biological), and the Joint Honours with Applied Mathematics, Biochemistry, and Physics are accredited by the Canadian Society for Chemistry.”

Page 498, 2016-2017 Calendar, under the heading 9.3.8 Course Restrictions, amend the calendar entry as follows:

“9.3.810 Course Restrictions

Students should be aware of a number of credit restrictions. For further information see the Chemistry course descriptions section found at the end of the Faculty of Science section under Course Descriptions, Chemistry.”

62.2 Faculty of Engineering and Applied Science

It was moved by Professor Walsh, seconded by Professor Fisher, and carried that on page 140, 2016-2017 Calendar, under the heading 5

Faculty of Engineering and Applied Science (cont'd)

Admission/Readmission Regulations for the Faculty of Engineering and Applied Science, amend the calendar entry as follows:

“5 Admission/Readmission Regulations for the Faculty of Engineering and Applied Science

In addition to meeting [UNIVERSITY REGULATIONS](#), students must meet the admission/readmission regulations for the Faculty of Engineering and Applied Science.

5.1 General Information

- ~~1.~~ The Bachelor of Engineering program requires completion of a minimum of four co-operative education work terms. Prospective applicants should review the information about work term expectations at: [Work Terms](#).
- ~~24.~~ Entry to the Bachelor of Engineering program is competitive for a limited number of placements. Meeting the minimum admission requirements does not guarantee acceptance into the Engineering program. The final decision on admission or readmission to the Bachelor of Engineering program rests with the Admissions Committee of the Faculty. Students are admitted to a common/general Engineering Program and are allocated a major in Academic Term 3.
- ~~32.~~ Admission or readmission to the University does not necessarily constitute admission or readmission to the Bachelor of Engineering program.
- ~~43.~~ The primary criterion used in reaching decisions on applications for admission or readmission is the judgement of the Admissions Committee on the likelihood of an applicant succeeding in the program.
- ~~54.~~ Up to three positions per year in the Faculty of Engineering and Applied Science may be designated for applicants of Aboriginal ancestry who have met the admission requirements of the program. Applicants must send a letter of request at the time of application and provide documentation of Aboriginal ancestry.
- ~~5.~~ A student who is in Engineering One must indicate preference(s) for a major on the Major Preference Form [Major Preference Form](#) available from the Faculty website www.mun.ca/engineering/undergrad/forms by March 31.
- ~~6.~~ A student who is applying for admission or readmission to Term 3 must indicate preference(s) for a major on the Supplementary Application form available from the Faculty website at www.mun.ca/engineering by March 1.

Faculty of Engineering and Applied Science (cont'd)

67. The Admissions Committee allocates majors to students after promotion or ~~admission~~/readmission to Academic Term 3 of the Bachelor of Engineering program. Information on promotion from Engineering One is available at: [Promotion Status \(Engineering One\)](#).

5.2 Application Forms and Deadlines

The application for admission or readmission to programs offered by the Faculty of Engineering and Applied Science is submitted online; current and returning Memorial University of Newfoundland applicants should apply using the Admissions menu within Memorial Self-Service at www5.mun.ca/admit/twbkwbis.P_WWWLogin. Applicants who are new to Memorial University of Newfoundland should follow the application instructions at www.mun.ca/undergrad/apply.

1. **Admission:** A student applying for admission to the Bachelor of Engineering program is required to submit an online application. Applications for admission to Engineering One will normally be considered for admission to the Fall semester of each year. The deadline for submission of applications for admission to the Fall semester is March 1. Applications for admission to the Winter and Spring semesters will be considered for applicants who have completed or are completing two or more of the following courses: Mathematics 1000, Mathematics 1001, Mathematics 2050, Physics 1050, Physics 1051, Chemistry 1050, English 1080. The deadline for application to: (1) the Winter semester is October 1; and (2) the Spring semester is February 1.
2. **Readmission:** A student applying for readmission to Academic Term 3 and beyond is required to submit an online application. Applications will only be considered for applicants who have been previously admitted to the Academic Term for which readmission is applied.
 - a. **Academic Term 3:** The deadline for submission of an application for readmission to Academic Term 3 is March 1. Applicants will be considered for readmission to Academic Term 3 based on their [Promotion Status \(Engineering One\)](#).
 - b. **Beyond Academic Term 3:** The deadlines for submission of an application for readmission to an academic term beyond Academic Term 3 are: June 1 for the Fall semester; October 1 for the Winter semester; and February 1 for the Spring semester.
3. Applications received after the relevant deadline may be considered as time and space permit. The Admissions Committee for the Faculty will only consider applications that are complete.

Faculty of Engineering and Applied Science (cont'd)

- ~~1. **Engineering One:** Applications for admission to Engineering One will normally be considered for admission to the Fall semester of each year. A supplementary Faculty of Engineering and Applied Science application for admission is not required. The deadline for submission of applications for admission to the Fall semester is March 1.~~
- ~~2. **Academic Term 3:** A student applying for admission or readmission to Academic Term 3 of the Bachelor of Engineering program is required to submit a Faculty of Engineering and Applied Science Supplementary Application Form. This form is available online through the Faculty of Engineering and Applied Science website at www.mun.ca/engineering. The application deadline is March 1. Engineering One students are automatically considered for promotion to Academic Term 3 and are not required to submit an application.~~
- ~~3. **Beyond Academic Term 3:** A student applying for admission or readmission to a semester beyond Academic Term 3 of the Bachelor of Engineering program is required to submit a Faculty of Engineering and Applied Science Supplementary Application form. This form is available online through the Faculty of Engineering and Applied Science website at www.mun.ca/engineering. The application deadlines for readmission to semesters beyond Academic Term 3 are June 1 for the Fall semester, October 1 for the Winter semester, and February 1 for the Spring semester.~~
- ~~4. Applications received after the relevant deadline may be considered as time and space permit. Incomplete applications will not be considered.~~
- ~~5. The University's General Application for Admission/Readmission (Undergraduate) is available online at www.mun.ca/engineering. Applications for admission or readmission to the Bachelor of Engineering program, from students who are currently attending or have previously attended Memorial University of Newfoundland, may be submitted online through Memorial Self Service. Supplementary Faculty of Engineering and Applied Science Application forms are available through links within the online University Application form or through the Faculty website at www.mun.ca/engineering. Application forms are also available through the Office of the Registrar, Admissions Office, Memorial University of Newfoundland, St. John's, NL A1C 5S7 or by email at admissions@mun.ca.~~

Faculty of Engineering and Applied Science (cont'd)

- ~~6. All applications for admission or readmission and supporting documents must be submitted to the Office of the Registrar. A complete application package includes a General Application for Admission/Readmission (Undergraduate) (for those who have not previously attended Memorial University of Newfoundland and for those who have previously attended Memorial University of Newfoundland and have not registered for courses for the past three consecutive semesters (Fall, Winter, Spring)), a Supplementary Application for Admission/Readmission to the Faculty of Engineering and Applied Science (if required), appropriate copies of transcripts, and any other required supporting documentation.~~

5.3 Admission Requirements to the Faculty Program

An applicant must be eligible for admission or readmission to the University in a category as defined in the Calendar section [UNIVERSITY REGULATIONS - Admission/Readmission to the University \(Undergraduate\), Categories of Applicants, Admission Criteria and Other Information](#). In addition to meeting these regulations, an applicant to the Bachelor of Engineering program in the following admission categories must meet the requirements as indicated below.

5.3.1 High School Applicants

- The Faculty of Engineering and Applied Science encourages applications for admission to the Bachelor of Engineering ~~(Engineering One)~~ program from high school students who are new to post-secondary education, have an interest in pursuing an engineering degree and have achieved a good academic performance during high school. In addition to meeting the requirements under [UNIVERSITY REGULATIONS - Admission/Readmission to the University \(Undergraduate\), Applicants Who Have Followed the High School Curriculum of Newfoundland and Labrador, Admission Criteria](#), performance in advanced mathematics, chemistry, physics and English is of particular interest, and grades above 80% are normally required for consideration.
- [Applicants who have not successfully completed either chemistry or physics but who have performed well in the other subjects may be considered.](#)
- [Applicants must meet the English language proficiency requirements as noted in **English Language Proficiency Requirements**.](#)
- With careful planning the course load for the Engineering One requirements can be spread out over three semesters, to provide

Faculty of Engineering and Applied Science (cont'd)

flexibility and additional time for a successful transition to the University and the Bachelor of Engineering ~~degree~~ program. However, as some courses are not offered in some semesters, a student should check with the appropriate academic unit to determine in which semester(s) each course is offered.

- ~~An applicant who is not admissible to Engineering One, but who is interested in pursuing an engineering degree, may complete the Engineering One course and promotion requirements, subject to normal course prerequisite and space requirements, and apply for admission to Academic Term 3.~~
- An applicant who is not admitted to the Bachelor of Engineering ~~degree~~ program is encouraged to contact the University's Academic Advising Centre or the Office of the Associate Dean (Undergraduate Studies) to discuss an appropriate first-year program.

5.3.2 Memorial University of Newfoundland Applicants

- To be eligible for consideration for admission to the Bachelor of Engineering program ~~Engineering One~~, a student who is attending or has previously attended this University must have a cumulative average of at least 70%, and obtained a grade of at least 70% in two or more of the following courses: Mathematics 1000, Mathematics 1001, Mathematics 2050, Physics 1050, Physics 1051, Chemistry 1050, English 1080. ~~or an average of at least 75% on his/her most recent 30 attempted credit hours and be admissible to (or have previously completed) the Engineering One courses Mathematics 1000, Physics 1050 and Chemistry 1050.~~
- Applicants must meet the English language proficiency requirements as noted in English Language Proficiency Requirements.
- ~~To be eligible for consideration for admission to Academic Term 3, a student who is attending or has previously attended this University must meet the requirements stated in the~~ Promotion Regulations, Promotion Status (Engineering One).

5.3.3 Transfer Applicants

- An applicant seeking admission to the Bachelor of Engineering program ~~Engineering One~~ through transfer from recognized post-secondary institutions must have achieved a minimum overall average of 70% or GPA of 3.0, or equivalent. ~~,to be considered for admission.~~
- Applicants must have obtained a grade of at least 70% in two or more of the following courses that have been deemed equivalent for transfer credit purposes to: Mathematics 1000, Mathematics 1001, Mathematics 2050, Physics 1050, Physics 1051, Chemistry 1050, English 1080.

Faculty of Engineering and Applied Science (cont'd)

- ~~An applicant seeking admission to Academic Term 3 through transfer from recognized post-secondary institutions must meet the requirements stated in the **Promotion Regulations, Promotion Status (Engineering One)**.~~
- Where it is determined, at the time of admission, that an applicant has met all the requirements for promotion from Engineering One, advanced placement in Academic Term 3 or beyond, ~~An applicant's placement within a program,~~ and requirements needed to complete the program, will be determined on an individual basis ~~at the time of admission~~ following ~~assessment of eligibility for~~ transfer credit **evaluation**. A transfer applicant must complete a majority of the credit hours in his/her program at Memorial University of Newfoundland.
- Applicants must meet the English language proficiency requirements as noted in **English Language Proficiency Requirements**.

5.4 English Language Proficiency Requirements

Applicants who have not met the University specified requirements for study at an English Language Secondary or Post-Secondary Institution (see **UNIVERSITY REGULATIONS - English Language Proficiency Requirements**) are required to:

1. Possess higher than University minimum scores in one of the following standardized tests:
 - a) **Test of English as a Foreign Language (TOEFL)**. A minimum score of 90, with at least 20 in each of Reading and Listening, and no less than 25 in Speaking and Writing, is required on the TOEFL.
 - b) **International English Language Testing System (IELTS)**. A minimum overall band score of 6.5, with at least band 6.5 in each of Writing and Speaking, and 6.0 in Reading and Listening is required on the IELTS.
 - c) **Canadian Academic English Language Assessment (CAEL)**. A minimum overall score of 70, with at least 60 per band, and no less than 70 in Writing and Speaking is required on the CAEL.

and
2. Successfully complete an e-proctored English test or an interview.

5.5 Other Information

1. The Faculty will notify each applicant in writing regarding an admission decision to the Faculty program.

Faculty of Engineering and Applied Science (cont'd)

2. Decisions will be made when grades are available for courses currently being completed. For current high school students decisions are based on current course registrations and final grades in courses previously completed.
32. A student admitted to the program in any term, without receiving credit for all courses required up to that level, must complete those courses successfully prior to graduation.
43. A student who has been admitted to one major offered by the Faculty and who wishes to change to another major within the Faculty must submit a new application for admission to the program. This application must be submitted to the Office of the Registrar by the appropriate deadline date as outlined above in Application Forms and Deadlines and will be considered in competition with all other applications.
54. A student admitted full-time to the program and who declines the offer of admission or who fails to register for the appropriate courses during the term of admission will be considered withdrawn from the program. Such a student, if he/she subsequently wishes to be considered for admission, must submit a new application for admission to the program. This application must be submitted to the Office of the Registrar by the appropriate deadline date in Application Forms and Deadlines above and will be considered in competition with other applications.”

Page 149, 2016-2017 Calendar, under the heading 7 Promotion Regulations, amend the calendar entry as follows:

“7 Promotion Regulations

7.1 General Information

1. Engineering One consists of eleven required courses: Mathematics 1000, Mathematics 1001, Mathematics 2050, Physics 1050, Physics 1051, Chemistry 1050, English 1080, ENGI 1010, ENGI 1020, ENGI 1030 and ENGI 1040.
2. Students are assigned majors for Academic Term 3, which is offered in the Fall semester only.
3. In addition to meeting the promotion regulations for the Faculty of Engineering and Applied Science, all students must meet the general academic regulations (undergraduate). For further information refer to the UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate).

Faculty of Engineering and Applied Science (cont'd)

4. Success in the programs depends on meeting the requirements of both academic terms and work terms.

7.2 Promotion Status (Engineering One)

1. The minimum requirements for promotion to Academic Term 3 are:
 1. an Engineering One promotion ~~overall~~ average of at least 65%. The promotion average is defined as the overall average of—on the following nine courses: Mathematics 1001, Mathematics 2050, Physics 1051, Chemistry 1050, English 1080—~~(or equivalent)~~, ENGI 1010, ENGI 1020, ENGI 1030 and ENGI 1040; and
 2. a grade of at least 55% in each of the above nine courses.
2. Meeting the minimum Engineering One promotion requirements does not guarantee promotion to Academic Term 3.
3. Students who meet the promotion requirements and have an Engineering One promotion average of at least 70% are guaranteed promotion to Academic Term 3.
4. Students who meet the promotion requirements and have an Engineering One promotion average of less than 70% will be promoted to Academic Term 3 as Faculty capacity permits.
5. To be considered for promotion to Academic Term 3 no required course in Engineering One may be failed more than once. If a student fails one of the Engineering One courses more than once the student will be withdrawn from the Engineering program.
6. In order to remain in the Engineering program, students admitted to Engineering One must complete the requirements for promotion to Academic Term 3 before the end of the academic year following the academic year of admission. Therefore, students in Engineering One will have at most two years to complete all requirements for promotion to Academic Term 3.
7. Students who fail to meet the requirements for promotion to Academic Term 3 before the end of the academic year following the academic year of admission will be ~~deemed to have~~ withdrawn from the Engineering program.
8. Promotion from Engineering One guarantees admission to one of the six majors, but not necessarily to a student's preferred major. The Faculty reserves the right to establish the capacity of ~~limit the number of spaces available in~~ each major. The Faculty also reserves the right to guarantee admission into a particular major at the time of admission into the Engineering program. Students promoted to

Faculty of Engineering and Applied Science (cont'd)

Academic Term 3 with an Engineering One promotion average of 75% and greater are guaranteed their preferred major.

9. Students are required to submit a Major Preference form, indicating their preferences for major in rank order, by April 1 in the academic year in which they expect to complete the requirements of Engineering One. ~~Students completing the requirements of Engineering One are required to apply for their major by March 1 of the academic year of admission, indicating their preferences for major in rank order. All Engineering students who successfully complete Engineering One in the academic year of admission will be guaranteed a place in Academic Term 3, although not necessarily in the preferred major.~~

7.3 Promotion Status (Beyond Engineering One)

A student's eligibility for promotion from semesters beyond Engineering One will be determined at the end of each term. In order to be considered for promotion a student must complete all courses required in that academic term. Promotion from each academic term ~~semester~~ will be based upon the student's Promotion Average for the semester. The Promotion Average, which will appear on the transcript, is calculated to be the overall average of required courses completed in the academic term ~~semester~~ excluding complementary studies and free elective courses. Promotion from work terms will be determined based upon the grade awarded in that work term

A student's promotion status will be determined beyond Engineering One and at the end of each academic term ~~semester~~ in one of the following three categories:

7.3.1 Clear Promotion

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

1. A student completing or repeating an academic term will receive a Clear Promotion by obtaining a promotion average of at least 60% and a numeric grade of at least 50% in each of the courses included in the calculation of the promotion average in that academic term.
2. A student completing a work term will receive a Clear Promotion by obtaining an overall grade of PAS or PWD in that work term.

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7.3.2 Probationary Promotion

A student who is not eligible for [Clear Promotion](#) from an academic ~~term semester~~ but who achieves a promotion average of at least 60% in that term will be granted Probationary Promotion.

1. A student's Probationary Promotion status will be reflected on the University Transcript under the Promotion Average for the semester.
2. A student with Probationary Promotion from an academic term may continue to the subsequent work term under the condition that entry into the next academic term is not allowed until the student's status is changed to [Clear Promotion](#).
3. A student with Probationary Promotion at the end of the final academic term will not be recommended for graduation until the student's status is changed to [Clear Promotion](#).
4. To change Probationary Promotion to [Clear Promotion](#) for a ~~semester~~ an academic term the student must satisfy the Faculty that he or she is competent in the subject of the ENGI course(s) in which the student has failed to achieve 50%. This will normally entail re-examination(s) prescribed by the Faculty as a condition of probation, after which the student will be declared to have passed or failed a test of competency in the subject(s) concerned. No numerical grade will be assigned in a re-examination. Upon passing a re-examination, the original grade submitted for the course will be changed to PAS, but the promotion average will not change and a note of the original grade will remain on the transcript.
5. Re-examination will be at a time determined by the Faculty, normally in the first week of the subsequent academic ~~term semester~~. A re-examination is cumulative in nature, covers the entire course and, as such, may be different in scope from the original final examination for that course.
6. In order to qualify for a re-examination in a failed ENGI course, a student must obtain a grade of at least 40% in that course and must have completed any laboratory and/or project work in that course. Re-examinations are not normally available for senior project courses or for other courses in which the final examination is worth less than 40% of the grade.
7. A student who has failed the communications component of a work term and who, in the opinion of the Office of Co-operative Education, can benefit from a remedial program, may be permitted an extension of time, not to exceed the end of the

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registration period of the subsequent ~~academic term~~~~semester~~, to complete the requirements of the work term.

8. A student will be permitted to write a maximum of four re-examinations for the duration of his/her program.
9. To change Probationary Promotion to Clear Promotion for ~~a semester~~ an academic term the student must repeat successfully any non-ENGI course(s) which count towards the promotion average and in which the student has failed to achieve 50%.
10. A student may apply for a deferred re-examination on a similar basis to the deferral of a final examination.
11. A student with Probationary Promotion who does not complete a prescribed re-examination will be deemed to have failed that re-examination. Upon failing a prescribed re-examination the original course grade will be retained and a comment confirming failure of the re-examination will be added to the transcript.
12. A student with Probationary Promotion who fails in the re-examination(s) or who does not qualify for the re-examination(s) must repeat the corresponding failed course(s) successfully in order to change the Probationary Promotion to Clear Promotion.
13. A student with Probationary Promotion from any of Academic Terms 3 to 7 who does not meet the requirements for Clear Promotion by the end of the registration period for the subsequent academic term must withdraw from the program. Permission to register for ENGI courses to be repeated may be subject to the approval of the Faculty. Such students may apply for readmission to the Bachelor of Engineering program when they have satisfied the requirements for Clear Promotion.

7.3.3 Promotion Denied

Promotion Denied status is awarded when a student does not meet the requirements for Clear Promotion or Probationary Promotion.

The student's Promotion Denied status will be reflected on the University Transcript under the Promotion Average for the ~~academic term~~ ~~semester~~.

1. A student with Promotion Denied status will be required to withdraw from the Faculty.
2. A student with Promotion Denied status may apply for readmission to the program after two semesters. Subject to

Faculty of Engineering and Applied Science (cont'd)

space being available, a student will be readmitted into the term from which promotion was denied. An academic term may be repeated only once, and not more than two academic terms may be repeated in the entire program.

3. A student who is denied promotion for failing a work term may be considered for readmission. A student readmitted under this clause must successfully complete four work terms prior to graduation.
4. A work term may be repeated only once, and not more than two work terms may be repeated in the entire program.
5. A student who is denied promotion from an academic term will be required to repeat all required courses in which the student obtained a numeric grade of less than 60% in that term. In addition, the Admissions Committee may design a remedial program to address the student's specific area(s) of weakness. A technical elective course in which the student obtained a numeric grade of less than 60% may be replaced by a course acceptable in the student's program.
6. A student who is denied promotion from an academic term may not continue to the subsequent work term unless both the employer and the Office of Co-operative Education grant permission.
7. 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](#).

7.4 Other Information

1. The appropriate Department will make a recommendation to Faculty Council on each student's promotion status at the end of each of ~~academic terms~~ [Academic Terms](#) 3 to 8.
2. To be recommended for graduation, a student must have [Clear Promotion](#) from Academic Term 8, must have successfully completed the four mandatory work terms and any elective work terms undertaken and must have an average of at least 60% in the 21 credit hours in complementary studies as described in [Description of Program, Complementary Studies](#).
3. The Office of Co-operative Education will make a recommendation to Faculty Council on each student's promotion status at the end of each work term.
4. A student must have completed at least one work term successfully, in order to be promoted to Academic Term 5.

Faculty of Engineering and Applied Science (cont'd)

5. A student must have completed at least two work terms successfully, in order to be promoted to Academic Term 6.
6. A student must have completed at least three work terms successfully, in order to be promoted to Academic Term 7.
7. A student must have completed four work terms successfully, in order to be promoted to Academic Term 8.
8. A student denied promotion shall be permitted only one readmission to the same term and a total of no more than two readmissions to the Faculty.
9. Students are permitted one failure only in each of the courses required in Engineering One.
10. No course required in any of ~~academic terms~~ Academic Terms 3 to 8 of the program may be attempted more than twice.
11. A student may be required to withdraw from their program at any time, if, in the opinion of the Faculty, he/she is unlikely to benefit from continued attendance.”

62.3 School of Social Work

It was moved by Professor Walsh, seconded by Dr. Hardy Cox, and carried that on page 547, 2016-2017 Calendar, under the heading 3 School Description, amend the calendar entry as follows:

“3 School Description

A social work program at Memorial University of Newfoundland commenced in 1963 with the offering of a two-year diploma in public welfare. In 1965, the Bachelor of Arts (Social Welfare) degree was initiated, continuing until 1970 when the Bachelor of Social Work was established. ~~The Bachelor of Social Work program is accredited by the Canadian Association of Social Work Education (CASWE). The program is currently accredited to January 2018. The School also offers an undergraduate diploma and graduate degrees at the master and doctoral level.~~

Social ~~W~~work courses are designed for delivery on a philosophical base of humanism and social justice. This is accomplished in an empowering teaching and learning environment, through the practice of anti-oppression principles, within the context of critical thinking. The curriculum in social work draws upon the substance and analytical processes of the social and behavioural sciences and of the humanities. It reflects Memorial University of Newfoundland and the School of Social Work's traditional commitments to serve the people of Newfoundland and Labrador within a global context.

School of Social Work (cont'd)

Additional information can be found on the School of Social Work website. ~~regarding the School of Social Work is available at www.mun.ca/socwrk.~~

Students must meet all regulations of the School of Social Work 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***.

3.1 Vision

The School of Social Work strives to strengthen human relationships and promote social justice through academic excellence.

3.2 Mission

The School of Social Work promotes social justice by providing social work education, conducting scholarly inquiry, disseminating knowledge and contributing to public policy and practice thereby addressing the needs and aspirations of the local and global communities with whom we collaborate and interact.

3.3 Accreditation Status

Graduates of Memorial University of Newfoundland's Bachelor of Social Work programs have been enjoying the benefits of full accreditation with the Canadian Association for Social Work Education (CASWE) since 1977. The First and Second Degree undergraduate programs offered by the School of Social Work are currently accredited by the CASWE."

Page 548, 2016-2017 Calendar, under the heading 4 Description of Programs, amend the calendar entry as follows:

"4. Description of Programs

All courses of the School are designated by the abbreviation SCWK.

~~4.1 Bachelor of Social Work~~

The Bachelor of Social Work (BSW) is a full-time program that is offered as a First or a Second Degree ~~first or a second degree~~ program and is comprised of course work and two practica. The BSW degree qualifies graduates for beginning professional practice in social work settings.

The BSW curriculum reflects a balance of professional education and general education. The professional education courses are provided for students once they are admitted to the First Degree or Second Degree Bachelor of Social Work programs. The general education is intended

School of Social Work (cont'd)

to equip students with knowledge in the humanities and relevant social sciences, including knowledge related to human development and behaviour in the social environment. The general education is addressed through complementary courses from disciplines outside the School of Social Work (See 4.1 Complementary Studies below).

~~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).

The aim of the BSW program is to develop social workers with generically based skills for working with individuals, families, communities, and groups. Students receive an education which prepares them to work in urban centres and rural settings. A special emphasis is placed on the importance of identifying local needs and developing the means of meeting these needs in the context of available resources.

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There is a **Program Residency Requirement** for both the **First** and **Second** Degree programs requiring students to take specific courses on the St. John's campus. Although the majority of courses are taught on-campus, selected courses are occasionally taught online. ~~by distance format.~~

4.1 Complementary Studies

1. Complementary Studies provides students with opportunities to gain general knowledge of people and nature, develop analytical and critical thinking and communication skills, and explore the intersections of social, political, and economic elements in society. Students are required to complete Complementary Studies courses as part of the admission requirement for both degree programs and to complete the general education courses needed for the First Degree program.
2. Six Learning Objectives for students are identified that inform the approved disciplines and courses.
3. The number of courses students select for each Learning Objective in order to meet the admission requirements and the First Degree program of study requirements is outlined in **Section 5: Admissions Regulations for the School of Social Work** and **Section 6: Program Regulations** respectively.
4. **Table 1 Complementary Studies** presents the six Learning Objectives, and the approved corresponding disciplines and courses for each objective.

Table 1 Complementary Studies

<u>The Six Learning Objectives for Complementary Studies Courses</u>	<u>Approved Disciplines and Course Numbers</u>
<u>1. Students will develop university knowledge and skills in critical reading, writing, and analysis.</u>	<p><u>Critical Reading and Writing Courses (CRW) or Designated Writing (W) courses, Grenfell Campus, chosen from the following disciplines:</u></p> <ul style="list-style-type: none"> • <u>Archaeology</u> • <u>English</u> • <u>Folklore</u> • <u>Gender Studies</u> • <u>History</u> • <u>Humanities*</u> • <u>Philosophy</u> • <u>Political Science</u> • <u>Religious Studies</u>
<u>2. Students will develop foundational knowledge and appreciation for the various expressions and experiences of human and cultural diversity.</u>	<p><u>Anthropology 2413, 3060, 3061, 3063, 3210*</u> <u>English 2122, 2705*, 3810*</u> <u>Gender Studies 1000, 2000*, 2006, 3005, 3025, 3100</u> <u>Humanities 2002*, 3001*, 4001*</u> <u>Psychology 1000, 1001, 2020, 2025*, 2030, 2125*, 2540, 2625*</u> <u>Sociology 2100, 3314*, 3731*, 4071*, 4072*, 4201, 4213</u></p>
<u>3. Students will develop foundational knowledge and understanding of historical and contemporary experiences of Indigenous peoples of Canada.</u>	<p><u>Anthropology 2414, 3070</u> <u>English 2160</u> <u>History 1016, 2800, 3520, 3525</u> <u>Humanities 3100*</u> <u>Political Science 3830</u> <u>Law and Society 3012, 3014</u> <u>Religious Studies 3880*</u></p>
<u>4. Students will develop foundational knowledge and awareness of the historical and contemporary realities of social inequities, imperialism, and racism.</u>	<p><u>Anthropology 3061, 3063, 4415, 4416</u> <u>Gender Studies 1000, 2000*, 2006, 3005, 3025, 3100</u> <u>Geography 1050, 2001</u> <u>History 1016, 2140, 2800, 3520, 3525, 3760*, 3770*, 3813, 3821, 4253, 4421</u> <u>Sociology 2100, 3180, 3314*, 3420</u></p>
<u>5. Students will develop foundational knowledge in governance and policy-making.</u>	<p><u>Humanities 1002*, 2002*</u> <u>Political Science 1010, 2600, 2800, 3550*, 3610, 3620, 3650, 3731*, 3800, 3880, 3890</u> <u>Police Studies 2000</u></p>
<u>6. Students will develop a critically reflective understanding of contemporary society (locally, nationally, and globally) and their place in it.</u>	<p><u>English 3810*</u> <u>Humanities 4001*</u> <u>History 2665, 3120, 3760*, 3770*, 3813, 3821, 4253</u> <u>Philosophy 1600*, 2220, 2400, 2541, 2551, 2552, 2553</u> <u>Law and Society 1000, 2000, 3012, 3014, 3300</u> <u>Social/Cultural Studies 2000*</u> <u>Sociology 1000, 2100, 2110, 2120, 2210, 2230, 2240, 2250, 2270, 3140, 3210*, 3290, 3318, 3400, 3420</u> <u>* Courses offered only at Grenfell Campus</u></p>

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~~4.1.1~~ 4.2 Social Work Practica

- In addition to their course work, students are required to complete two supervised 350 hour practica which normally occur in Fall and Winter semesters. Students are expected to be available to engage in the practicum for 28 hours each week during the semester in which the practicum is scheduled.
- Each 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 practica.
- Students normally are expected to be available for field practica throughout the Province of Newfoundland and Labrador.
- Field practica may be offered in whole or in part outside the normal start and end dates of a semester.
- The Field Education Coordinators are responsible for facilitating appropriate matches among students, field instructors, and field practicum settings. Although consideration will be given to all factors affecting the location and type of practica, final approval of field practica rests with the Field Education Coordinators. Students who refuse a 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 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 practica and the preceding April for Winter semester field practica.
- Students shall complete agency specific requirements, such as Criminal Record Check, Vulnerable Sector Check, Child Protection Records Check, or Health Check, before starting the 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.

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~~4.1.2~~ 4.3 Field Practicum Preparation Seminars

In the semesters prior to their first practicum, students are required to participate in six field preparation seminars. These seminars review the field 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 practicum.

~~4.1.3~~ 4.4 Bachelor of Social Work Pledge of Professionalism Ceremony

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

~~4.2 Diploma in Social Work~~

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

Page 549, 2016-2017 Calendar, under the heading 5 Admission/Readmission Regulations for the School of Social Work, amend the calendar entry as follows:

~~5 Admission/Readmission~~ Regulations for the School of Social Work

In addition to meeting the *UNIVERSITY REGULATIONS*, students must meet the admission/~~readmission~~ regulations for the School of Social Work.

5.1 General Information

1. Entry to the Bachelor of Social Work is competitive. Meeting the minimum requirements for admission does not guarantee acceptance into the First Degree program or Second Degree program. The final decision on admission rests with the Bachelor of Social Work Admissions Committee. The decision of the Admissions Committee is final and there are no grounds for appeal.
2. Admission or readmission to the University does not necessarily constitute admission to the First or Second Degree programs.

3. Selection of candidates for admission to the Bachelor of Social Work is based on academic standing, relevant work/volunteer/community involvement experience, and personal suitability for a career in social work.
- ~~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.~~
4. The School of Social Work depends on the cooperation of community agencies external to the University to provide field 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 before starting the 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.
5. The School of Social Work strives to enrich its teaching, research and scholarship through the contributions of individuals from diverse backgrounds with different attributes. However, for many applicants, institutional processes and cultural and racial differences exist which have presented barriers to learning. In order to correct conditions of disadvantage in professional education, the School offers a minimum of 10% of seats in the First Degree program and the Second Degree program through our Educational Equity Initiative. Eligible applicants are persons who have met the minimum requirements for admission to the program and who self-identify as persons of First Nations, Inuit, Métis, or blended ancestry (minimum of 5% of seats) and/or as members of an equity group (minimum of 5% of seats). All applicants applying under the Educational Equity Initiative must complete the appropriate section on the School of Social Work First Degree or Second Degree Application form.
- ~~4. As part of the regular quota 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 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.~~
- ~~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.~~

- ~~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.~~
- ~~8. Students applying for readmission must meet all admission and promotion requirements of the School of Social Work in effect for the year in which readmission is being sought.~~

5.2 Application Forms and Deadlines

1. The Bachelor of Social Work as a First Degree program commences in the Fall semester. The Bachelor of Social Work as a Second Degree program will normally commence in the Winter semester. The deadline for application for admission to both the First and Second Degree programs is March 1. Students are encouraged to submit their applications as early as possible.
2. Applications received after the deadline and incomplete applications will not be considered.
3. Application for admission to the Bachelor of Social Work programs should be submitted online with the University Application for Admission/Readmission. The Social Work application will be available from October 1 to March 1 of each year. Application forms are available online at www.mun.ca/soewrk/undergraduate/apply.php annually from mid November to March 1st inclusive.
- ~~4. Applicants for readmission to the School of Social Work must submit a School of Social Work application to the Office of the Registrar by March 1 for Fall semester readmission, February 1 for Spring semester readmission, and October 1 for Winter semester readmission. Applications received after these deadlines will be considered only if a place is available in the School of Social Work.~~
4. 5. All applications for admission or readmission must be submitted to the Office of the Registrar. A complete application package includes an application to the University (for those who have not attended Memorial University of Newfoundland in the three preceding semesters), an application to the School and any other required documentation.

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5.3 Admission Requirements

5.3.1 First Degree Program

1. To be considered for admission to the First Degree Bachelor of Social Work program, applicants must have:

1.1 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;

1.2 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 have achieved a minimum grade of 65% in each of these required prerequisite 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 required prerequisite courses are:

- 3 credit hours for Social Work 1710
- 21 credit hours from the Complementary Studies courses selected for each Learning Objective listed in **Table 1: Complementary Studies**. Courses are counted only once even if they are listed for more than one Learning Objective. The required credit hours are as follows:
 - Learning Objective One: 6 credit hours
 - Learning Objective Two: 3 credit hours
 - Learning Objective Three: 3 credit hours
 - Learning Objective Four: 3 credit hours
 - Learning Objective Five: 3 credit hours
 - Learning Objective Six: 3 credit hours
- 6 credit hours of courses chosen from the approved courses listed for the Complementary Studies Learning Objectives Two to Six.

1.3 completed a minimum of 60 hours of verified work/volunteer/community involvement experience.

2. Applicants will be ranked according to their academic performance in addition to other criteria used in the selection process. For further details, please refer to the School's website.

3. Applicants who complete any Complementary Studies courses listed for Year 2 and Year 3 of **Table 2: Bachelor of Social Work (as a First Degree)** prior to admission and receive a grade of less than 65% in these courses will be required, following admission, to repeat the courses or take other courses that meet the same learning objective(s)

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according to Section 6: Program Regulations and achieve a minimum grade of 65% in each course.

- ~~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 at least 65% in each of these required prerequisite 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 required prerequisite courses are:
 - 6 credit hours in English
 - Psychology 1000 and 1001
 - Sociology 1000
 - Social Work 1710
 - 12 credit hours in non social work courses of which at least 6 credit hours must be from the Faculty of Humanities and Social Sciences and/or the Faculty of Science.~~
- ~~2. Applicants must have completed a minimum of 60 hours of verified formal work/volunteer experience in human services.~~
- ~~3. 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.~~
- ~~4. Applicants for admission will be ranked according to their academic performance in addition to other criteria used in the selection process. For further details please refer to the School's website at www.mun.ca/socwrk/undergraduate/prospective.php.~~
- ~~5. Applicants will not be considered for admission if they have attempted SCWK 1710 twice and failed to receive a grade of 65% or higher.~~
- ~~6. Applicants who complete courses required by the Bachelor of Social Work 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.~~

5.3.2 Second Degree Program

The Bachelor of Social Work as a 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 verified work/volunteer/community involvement experience.
~~employment and/or formal volunteer experience.~~

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

1.1 been awarded a Bachelor's Degree, or been 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;

1.2 achieved an 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;

1.3 completed the 30 credit hours of required prerequisite courses outlined below by the end of the Winter semester proceeding the academic year in which admission is being sought and must have achieved a minimum grade of 70% in each of these required prerequisite 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 required prerequisite courses are:

- 3 credit hours for Social Work 1710
- 21 credit hours from the Complementary Studies courses selected for each Learning Objective listed in **Table 1: Complementary Studies**. Courses are counted only once even if they are listed for more than one Learning Objective. The required credit hours are as follows:
 - Learning Objective One: 6 credit hours
 - Learning Objective Two: 3 credit hours
 - Learning Objective Three: 3 credit hours
 - Learning Objective Four: 3 credit hours
 - Learning Objective Five: 3 credit hours
 - Learning Objective Six: 3 credit hours
- 6 credit hours of courses chosen from the approved courses listed for the Complementary Studies Learning Objectives Two to Six.

1.4 completed a minimum of 300 hours of verified work/volunteer/community involvement experience.

2. Applicants will be ranked according to their academic performance in addition to other criteria used in the selection [process](#). For further details, please refer to the [School's website](#).

~~▪ been awarded a Bachelor's Degree, or approved (by the end of the Winter semester preceding the academic~~

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- ~~year in which admission is being sought) for the award of a Bachelor's Degree from a university recognized by Memorial University of Newfoundland;~~
- ~~▪ achieved a minimum average of at least 70% in the last 60 credit hours of undergraduate study attempted by the end of the Winter semester preceding the academic year in which admission is being sought and for which a numeric grade has been assigned;~~
- ~~▪ completed the 30 credit hours 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. 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 required 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 the Faculty of Humanities and Social Sciences and/or the Faculty of Science at the 2000 level or above. 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.~~
- ~~3. Applicants will not be considered for admission if they have attempted Social Work 1710 twice and failed to receive a grade of 70% or higher.~~

5.3.3 Acceptance Procedures for Admission

1. Applicants for the First Degree program will normally be notified of admission decisions by the end of June. Approved applicants for this program option will be admitted in the Fall semester only.
2. Applicants for the Second Degree program will normally be notified of admission decisions by the end of June. Approved applicants for this program option will ~~normally~~ be admitted in the Winter semester only.

3. The School of Social Work will not defer any admissions to the First or Second Degree ~~first or second degree~~ programs.

5.3.4 Admission Following Voluntary Withdrawal Readmission Requirements

1. A student who voluntarily withdraws from the program can apply as a new applicant to the School of Social Work in accordance with Calendar requirements for the year in which admission is being sought.

2. If the application is accepted, and the time since the last successfully completed course(s) in a BSW Program of Study is fewer than three years, then the Committee on Undergraduate Studies will review and determine what, if any, courses need to be repeated. If the time since the last successfully completed course(s) in a BSW Program of Study three years or greater, then the student will be required to repeat previously completed Social Work courses and the Committee on Undergraduate Studies will review and determine what, if any, Complementary Studies courses will need to be completed as listed under the **Program Regulations** for the Social Work program. ~~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.~~

3. The semester in which a student can register for Social Work courses depends on the availability of seats. ~~Students 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 program.~~

5.3.5 Admission Following Promotion Denied

1. A student who is denied promotion can apply as a new applicant to the School of Social Work in accordance with Calendar requirements for the year in which admission is being sought.

2. If the application is accepted, and the time since the last successfully completed course(s) in a BSW Program of Study is fewer than three years, then the Committee on Undergraduate Studies will review and determine what, if any, courses need to be repeated. If the time since the last successfully completed course(s) in a BSW Program of Study three years or greater, then the student will be required to repeat previously completed Social Work courses and the Committee on Undergraduate Studies will review and determine what, if any, Complementary Studies courses will need to be completed as listed under the **Program Regulations** for the Social Work program.

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3. The semester in which a student can register for Social Work courses depends on the availability of seats.

4. A student who is denied promotion and required to withdraw from the program a second time will not be eligible for future admission to the program.”

Page 551, 2016-2017 Calendar, under the heading 6 Program Regulations, amend the calendar entry as follows:

“6 Program Regulations

6.1 Bachelor of Social Work (as a First Degree)

1. The 120 credit hour Bachelor of Social Work (as a First Degree) requires, 75 professional education credit hours from the School of Social Work and 45 general education credit hours from Complementary Studies (See Table 1) 48 non-SCWK credit hours and 72 SCWK credit hours that include two practica as defined in Table 21 Bachelor of Social Work (as a First Degree).

- ~~1.~~ 2. Courses from Complementary Studies are counted only once even if they are listed for more than one Learning Objective.
- ~~2.~~ 3. Following admission to Year 2, credit hours shall normally be taken in the sequence as set out in Table 21 Bachelor of Social Work (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.~~ 4. Students must complete the application for their Social Work practicum in January for the Fall semester and in April for the Winter semester.

Table 21-Bachelor of Social Work (as a First Degree)

Year / Term	Required <u>Professional Education</u> Courses	Elective Courses <u>Required General Education Courses</u>
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 of which at least 6 credit hours must be from the Faculty of Humanities and Social Sciences and/or the Faculty of Science <u>27 credit hours from Complementary Studies as noted in the Admission requirements</u>

Year 2 Fall	One of Political Science 1010, 2600, 2800, Sociology 2230 or 2240 Psychology 2010 or Psychology 2020 SCWK 2211 SCWK 230A SCWK 2320 <u>SCWK 2520</u> <u>SCWK 2711</u>	<u>6 credit hours from Complementary Studies Learning Objective Three</u>
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 230B <u>SCWK 2313</u> SCWK 2321 <u>SCWK 2520</u> <u>SCWK 2711</u> 3 credit hours in Sociology at the 2000 level or above	<u>6 credit hours from Complementary Studies Learning Objective Four</u>
Year 3 Fall	SCWK 3300 SCWK 3311	
Year 3 Winter	Gender Studies 1000 SCWK 3221 SCWK 3521 <u>SCWK 3410</u> SCWK 3720 One of Sociology 2250, 2270, 3290 or 3318	<u>3 credit hours from Complementary Studies Learning Objective Two</u> <u>3 credit hours from Complementary Studies Learning Objective Six</u>
Year 4 Fall	SCWK 4312 SCWK 4313 SCWK 4314 <u>SCWK 4317</u> SCWK 4410 <u>SCWK 4521</u> <u>SCWK 4620</u>	3 credit hours from: SCWK 4317 or 4620
Year 4 Winter	SCWK 4302 <u>3 credit hours from: SCWK 4321, 4322, or 4323</u>	3 credit hours from: SCWK 4321, 4322, 4323 or SCWK 4820-4829

6.1.1 Program Residency Requirements

Students shall be required to successfully complete all Social Work courses on the St. John's campus except for: SCWK 1710, 3300, 3311, 4302, 4321, 4322, and 4323, ~~and 4820-29~~.

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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 practica as defined in **Table 32 Bachelor of Social Work (as a Second Degree)**.
2. Following admission, credit hours shall normally be taken in the sequence as set out in **Table 32 Bachelor of Social Work (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 their Social Work practicum in January for the Fall semester ~~practica~~ and in April for the Winter semester ~~practica~~.

Table 32 Bachelor of Social Work (as a Second Degree)

Year / Term	Required <u>Professional Education</u> Courses
Year 1 Semester 1 Winter	SCWK 2211 SCWK 230A SCWK 230B SCWK 2320 SCWK 2711 SCWK 2520 <u>SCWK 3410</u> <u>SCWK 3720</u> SCWK 4410
Year 1 Semester 2 Spring	<u>SCWK 2313</u> SCWK 2321 <u>SCWK 2520</u> SCWK 3720 SCWK 4312 SCWK 4313 SCWK 4314
Year 1 <u>2</u> Semester 3 Fall	SCWK 3300 SCWK 3311
Year 2 Semester 4 Winter	SCWK 3521 SCWK 4302 <u>SCWK 4521</u>

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, 3300, 3311, ~~3521~~, and 4302, and 4521."

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Page 552, 2016-2017 Calendar, under the heading 7 Academic Requirements and Promotion Regulations, amend the calendar entry as follows:

“7 Academic Requirements and Promotion Regulations

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 First or Second Degree Bachelor of Social Work degree program, these regulations shall apply upon commencement of courses in the first semester of the program to the completion of the degree.
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)**.

7.2 Promotion Status

A student's promotion status at the end of each term will be in one of the following three categories:

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

- who has completed the academic term with a numeric grade of at least 65% in each course from Program Regulations, Table 2 Bachelor of Social Work (as a First Degree) or Table 3 Bachelor of Social Work (as a Second Degree), and in the program.
- who has completed a practicum with a letter grade of PAS (pass), and
- who has maintained professional behaviour consistent with the Memorial University Student Code of Conduct, the current Code of Ethics and the Guidelines for Practice of the Canadian Association of Social Workers, and the *Suitability for the Profession Policy & Procedures of the School of Social Work.*

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

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Promotion. A student can only receive Probationary Promotion once in the Bachelor of Social Work program. Each of the following violations is sufficient for a student ~~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 completed the term with a numeric grade of less than 65% in one course from **Program Regulations, Table 2 Bachelor of Social Work (as a First Degree)** or **Table 3 Bachelor of Social Work (as a Second Degree)**, ~~in the program~~. The student must repeat the course 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.
- who behaves in a manner that breaches the Memorial University Student Code of Conduct, the current Code of Ethics and the Guidelines for Practice of the Canadian Association of Social Workers, and/or the Suitability for the Profession Policy & Procedures of the School of Social Work but for which the School considers that withdrawal from the program is not warranted.

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.~~

Any one of ~~The following violations are mutually exclusive, meaning one violation~~ in a term or across the program is sufficient for a student to receive Promotion Denied. Promotion ~~and~~ Denied will be given to a student:

- who has not met the conditions of probation.
- who has received a numeric grade of less than 65% in more than one course from **Program Regulations, Table 21 Bachelor of Social Work (as a First Degree)** or **Table 32 Bachelor of Social Work (as a Second Degree)**.
- who has received a numeric grade of less than 65% twice in the same course from **Program Regulations, Table 21 Bachelor of Social Work (as a First Degree)** or **Table 32 Bachelor of Social Work (as a Second Degree)**.
- who has conducted ~~him/her self~~ themselves in such a manner as to cause the field agency and a Field Education Coordinator to terminate the practicum or who has voluntarily withdrawn

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from a field 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 a practicum.
- who behaves in a manner that breaches the Memorial University Student Code of Conduct, the current Code of Ethics and the Guidelines for Practice of the Canadian Association of Social Workers, and/or the Suitability for the Profession Policy & Procedures of the School of Social Work and for which the School considers that withdrawal from the program is warranted.

7.2.4 Other Information

~~1. A student who has been denied promotion and has had to withdraw from the School 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 or withdraw from the School.~~

~~2. student will not be eligible for consideration for readmission to the School if the student has:~~

- ~~• behaved in a manner that breaches the current Code of Ethics of the Canadian Association of Social Workers and/or the Suitability for the Profession Policy & Procedures of the School of Social Work and for which the School considers that withdrawal from the program is/was warranted.~~

~~3. Notwithstanding the 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 under the **Program Regulations** for the social work program.~~

1. Following a denial of promotion, a student can apply as a new applicant to the School of Social Work in accordance with Calendar requirements for the year in which admission is being sought (See Admissions 5.3.5).

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2. A student who is denied promotion and required to withdraw from the program a second time will not be eligible for future admission to the program.

7.3 Leave of Absence

1. A leave of absence can only be requested after a student completes the first semester of the program.

~~1-2.~~ Any student who requests wishes to take a leave, for any reason, ~~withdraw~~ from the program and retain status in the program normally may do so once, only with the written approval of the Committee on Undergraduate Studies, and for a maximum period of one academic year. A student who plans wishes to resume studies within the one year ~~this~~ period must notify the Dean in writing three months prior to the beginning of the term in which the student plans wishes to continue in the program. A student ~~Students who does not return to the program~~ at the end of their approved leave of absence will be deemed to have withdrawn from ~~have left~~ the program.

7.4 Student Withdrawal

~~1. A student may be required to withdraw from the program at any time, on the recommendation of the Committee on Undergraduate Studies, if the student is deemed to have behaved in a manner that breaches the Canadian Association of Social Workers Code of Ethics and/or the School of Social Work Suitability Policy and for which the committee considers that withdrawal from the program is warranted. The Committee on Undergraduate Studies may determine the withdrawal to be conditional or permanent depending on the circumstances precipitating the action.~~

~~2. In the case of a conditional withdrawal, the Committee on Undergraduate Studies will determine the duration of the withdrawal and any conditions the student must fulfill during the withdrawal. Upon successful completion of the conditions, the student may be permitted re-entry to the program. Failure to meet conditions may result in a permanent withdrawal.~~

~~3. In the case of a permanent withdrawal, the student will not be eligible for future admission/readmission to the Bachelor of Social Work program.~~

~~4.~~ 1. A student who voluntarily withdraws at any time from the program prior to the conclusion of the first semester and who wishes to return to the program can apply as a new applicant to the School of Social Work in accordance with Calendar requirements for the year in which admission is being sought (See Admissions 5.3.4.). must re-apply in competition as a new applicant.

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2. The School reserves the right to require a student to withdraw from the program at any time when acceptable cause is demonstrated.”

Page 553, 2016-2017 Calendar, under the heading 8 Graduation, amend the calendar entry as follows:

“8 Graduation

1. In order to graduate, students in the First Degree program who completed any Complementary Studies courses listed for Year 2 and Year 3 of **Table 2: Bachelor of Social Work (as a First Degree)** prior to admission and received a grade of less than 65% in these courses are required to repeat the courses or take other courses that meet the same learning objective(s) according to Section 6: Program Regulations and achieve a grade of at least 65% in each course.

2. 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~~. Additional information is available from the Office of the Registrar at ~~www.mun.ca/regoff/graduation/apply_grad.php~~.”

Page 553, 2016-2017 Calendar, under the heading 9 Waiver of School Regulations, amend the calendar entry as follows:

“9 Waiver of School Regulations

Every 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.**

9.1 General Information

1. 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 Committee on Undergraduate Studies of the School.
2. All requests must be submitted to the Committee on Undergraduate Studies of the School for consideration.
3. A student requesting a waiver of a School regulation must submit the request in writing to the Chair of the Committee on Undergraduate Studies. Medical and/or other documentation to substantiate the request must be provided.
4. Any waiver granted does not reduce the total number of credit hours required for the degree.”

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Page 554, 2016-2017 Calendar, under the heading 10 Appeal of Regulations, amend the calendar entry as follows:

“10 Appeal of Regulations

1. 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.**

~~2. An applicant who has been denied admission has the right to appeal this decision of the Admissions Committee if it is felt by the applicant that the decision was reached on grounds other than those outlined in Admission/Readmission Regulations for the School of Social Work. The appeal should 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.”~~

Page 554, 2016-2017 Calendar, under the heading 11 Course Descriptions, amend the calendar entry as follows:

“11 Course Descriptions

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.

All courses of the School are designated by SCWK.

1710 Social Work Philosophy and Practice provides an overview of the historical development, philosophical orientation, basic values, principles and knowledge base, and fields of practice of the profession. The course will examine critical social problems that impact societies with an emphasis on the quest for social justice at local, national and global levels.

CR: the former SCWK 2700

2211 Diverse Theories for Social Work Practice provides an overview of critical and practice theories that explain problems and guide the change process. The course will involve students in a critical analysis of a broad range of theories including: Critical theories such as structural, feminist, Marxist, anti-racist, aboriginal, queer, ~~&—and~~ anti-oppressive practice; modern theories such as

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interactional, systems, ecological cognitive & and crisis theory/ intervention; postmodern theories such as solution ~~foeussed~~ focused and narrative; and ~~M~~macro practice, social action, and community organization.

CO: SCWK 2320 and ~~2711~~ SCWK 2520; or admission to the Second Degree program option

PR: SCWK 1710 or the former SCWK 2700

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

2320 Social Work Knowledge and Skills for Assessment and Intervention introduces beginning skills for social work practice. The relevance of relationship based approach, a strengths perspective and an anti-oppressive stance will be considered as students acquire biopsychosocial assessment and interviewing skills. Attention is given to self-awareness, professional identity and a wide range of beginning counselling skills with diverse populations and situations such as: Aboriginal people, involuntary clients, suicide risk, domestic violence, clients in crisis and children at risk.

CO: SCWK 2211 and ~~2711~~ SCWK 2520; or admission to the Second Degree program option

CR: the former SCWK 3320, the former SCWK 3321, and the former SCWK 4310

PR: SCWK 1710 or the former SCWK 2700

2321 Social Work Knowledge and Skills for Personal and Social Change addresses knowledge, skills and competencies that enable the social worker to facilitate positive change within the middle and end stages of intervention. Emphasis will be given to a range of current best known practices within the context of clinical and community applications, promotion of social justice, strengths and critical thinking. General practice approaches that may be applied with individuals, families and communities will be emphasized.

CO: SCWK 2313 and SCWK 2711; or admission to the Second Degree program option

CR: the former SCWK 3421

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PR: SCWK 2211, SCWK 2320 and ~~2744~~ SCWK 2520; or admission to the Second Degree program option

2520 Social Work: Critical Analysis of Social and Health Policy engages students in critical analysis of local and national social and health policy development from a social work perspective. The course explores topics that are relevant to direct service provision such as: the influence of historical context on policy, policy development, interactions among federal, provincial and local governments that influence policy and leadership and advocates roles of social workers in program development in a diverse and changing environment.

CO: SCWK 2211 and SCWK 2320; or admission to the Second Degree program option

CR: the former SCWK 2510 and the former SCWK 2710

PR: ~~SCWK 2211, 2320 and 2744~~ SCWK 1710 or the former SCWK 2700 or admission to the Second Degree program option

2711 Social Justice and Social Work Practice explores human rights from global perspective and examines social responsibility, the nature of oppression and marginalization and strategies to promote social justice and prevent injustice. Reflective practice principles and experiential activities will form the basis for examining use of self and the relevance of social location, and the application of: critical theoretical perspectives, critical empathy and ethical evaluation for anti-oppressive practice at the individual and structural/ organizational level.

CO: SCWK ~~2211 and 2320~~ SCWK 2313 and SCWK 2321; or admission to the Second Degree program option

PR: ~~SCWK 1710 or the former SCWK 2700~~ 2211, SCWK 2320, and SCWK 2520; or admission to the Second Degree program option

3221 Social Impacts on Human Development addresses how theories, concepts and information related to human development must be considered in the context of social issues and impacts in order to inform social work practice with vulnerable populations. The impact of issues such as violence, addictions, poverty, trauma and oppression are examined as are strengths and resilience of human beings. Strategies to address social impacts on human development are explored.

CO: ~~SCWK 3524~~ 3410 and SCWK 3720

CR: the former SCWK 3211 and the former SCWK 3220

PR: SCWK 3300 and SCWK 3311

~~3230 Cultural Camp~~ ~~inactive course~~

3300 Social Work Practicum 1 is a 350 hour supervised field experience that provides students with opportunities to apply social

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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, the former SCWK 4316, the former SCWK 4300, the former SCWK 4325, and the former SCWK 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 all designated courses for the Second Degree program option.

3311 Social Work Knowledge and Skills for Integration of Theory and Practice focuses on application of selected models and methods of practice. The course explores links between theory and practice through critical consideration of: the influence of agency and community, the value of theory and knowledge, the role of self awareness, social location and practice skills. Topics to be explored include: documentation, support/resource counselling, advocacy, self care, vicarious trauma, professional identity, community work, interdisciplinary practice, group work, ethics and consultation.

CO: SCWK 3300

CR: the former SCWK 4310 and SCWK 4311

PR: successful completion of all designated Year 2 courses for First Degree program option; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

~~**3511 Aboriginal People and Social Policy**~~—inactive course

~~**3521—4521 Social Work Organizational Development for Community Services**~~ examines policy development and change in human services organizations and their administration. Management and organizational concepts suitable for the administration of social policies and programs are addressed as are ethical and ideological issues for social workers on human service teams. A focus on beginning skills in administration is included for the social worker within a management and leadership context in human services organizations.

CO: ~~SCWK 3221 and 3720; or SCWK 4302 4312, and SCWK 4314, SCWK 4317, and SCWK 4620;~~ or admission to the Second Degree program option

CR: the former SCWK 3110, the former SCWK 3510, the former SCWK 3521, and the former SCWK 4111

PR: ~~SCWK 3300 and 3311~~ successful completion of all designated Year 3 courses for the First Degree program option; or admission to the

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Second Degree program option and successful completion of all designated courses for the Second Degree program option.

~~3530 Aboriginal Social Development~~—inactive course

3720 Ethical and Legal Issues in Social Work Practice examines ethical theories, decision - making models and key legislation in a variety of areas including child welfare, youth justice, privacy, health, human rights to resolve dilemmas in practice. Components of legislation and the Social Work Code of Ethics are analysed to determine approaches to practice dilemmas. Consideration and critical analysis of frameworks for decision making will lead to a personal model for practice choices.

CO: SCWK 3221 and ~~3521~~ SCWK 3410; ~~or SCWK 2321, 4312, 4313, and 4314~~ or admission to the Second Degree program option

CR: the former SCWK 5720

PR: SCWK 3300 and SCWK 3311; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

4302 Social Work 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, SCWK 4322 or SCWK 4323 ~~or one of SCWK 4820-4829 (First Degree)~~; or SCWK ~~3521~~ 4521 (Second Degree)

CR: the former SCWK 5300, the former SCWK 5301, and the former SCWK 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~~ Successful completion of all designated Year 3 courses for the First Degree program option; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

4312 Social Work Knowledge and Skills for Community Development emphasizes theory and practice of community organizing and community development within the context of social justice. Frameworks for community practice are critically analysed through examination of ethical dilemmas, accountability issues, practice skills, leadership and other roles. Urban, rural and cultural

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differences are considered in relation to their influence on effective community organizing and development work.

CO: ~~SCWK 4313, 4314, and 4410~~ SCWK 4317, SCWK 4521, and SCWK 4620; ~~or SCWK 2321, 3720, 4313 and 4314~~ or admission to the Second Degree program option

CR: the former SCWK 5322

PR: ~~SCWK 3221, 3521 3410 and 3720 or admission to the second degree program option~~ Successful completion of all designated Year 3 courses for the First Degree program option; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

~~4313~~ 2313 Social Work Knowledge and Skills for Group and Team Work introduces students to social work methods and skills in group practice and team work. The design and implementation of diverse group types, evaluative models and the parallels between group and team functions are explored. The characteristics and challenges of interdisciplinary team work are considered as well as effective strategies and unique roles that social workers can contribute for effective team collaboration.

CO: ~~SCWK 4312, 4314 and 4410; or SCWK 2321, 3720, 4312 and 4314~~ 2321 and SCWK 2711; or admission to the Second Degree program option.

CR: the former SCWK 4320 and the former SCWK 4313

PR: ~~SCWK 3221, 3521 and 3720~~ 2211, SCWK 2320, and SCWK 2520; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

4314 Social Work Knowledge and Skills for Practice with Families prepares students to offer direct services to families through increasing their knowledge of family functioning and their competence in family assessment and intervention. Critical analysis of models of family intervention and exploration of ethical issues form the basis for application of selected approaches to family work including: structural therapy, solution focussed approach and crisis intervention.

CO: ~~SCWK 4312, 4313 and 4410; or SCWK 2321, 3720, 4312 and 4313~~ SCWK 4317, SCWK 4521, and SCWK 4620; or admission to the Second Degree program option.

CR: the former SCWK 5325

PR: ~~SCWK 3221, 3521 and 3720 or admission to the second degree program option~~ Successful completion of all designated Year 3 courses for the First Degree program option; or admission to the Second Degree program option and successful completion of all designated courses for the Second Degree program option.

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4317 Field of Practice: Child Welfare Prevention, Crisis Intervention and Protection examines legislation that protects the rights of children, best practice in child welfare and care and protection of children within a community context. Social work intervention with complex issues such as: family violence, poverty, cultural influences, addictions and mental health impacts are explored through feminist, aboriginal, empowerment and anti-oppressive perspectives. Continuity of care, permanency planning and the impact of separation are addressed through critical ~~analyse~~ analysis of child welfare programs, and care giving models.

CO: SCWK 4312, ~~4313~~, SCWK 4314, ~~and 4410~~ SCWK 4521, and SCWK 4620

CR: the former SCWK 4614

PR: ~~SCWK 3221, 3521 and 3720~~ Successful completion of all designated Year 3 courses for the First Degree program option.

4321 Field of Practice: Social Work in Child Abuse and Protection is aimed at developing knowledge and social work skills necessary for intake, crisis intervention, assessment, family support, removal, community placement, family reunification, and amelioration, within the context of social justice and the best interest of those most vulnerable for maltreatment and oppression. It addresses child-youth neglect, physical abuse, sexual abuse, emotional abuse, exploitation, problems, risks, needs and harm and includes trauma and developmental impacts.

CO: SCWK 4302

CR: the former SCWK 5328

PR: SCWK 4312, ~~4313~~, SCWK 4314, ~~and 4410~~ SCWK 4317, SCWK 4521, and SCWK 4620

4322 Field of Practice: Social Work in Gerontology reviews aging from a biopsychosocial perspective with an emphasis on the strengths of seniors and the impact of oppression on the lives of the elderly. The course will explore legislation, policies, societal trends and elder abuse, and consider the social work role in developing strategies for healthy aging and service provision for seniors.

CO: SCWK 4302

CR: the former SCWK 4615 and the former SCWK 5615

PR: SCWK 4312, ~~4313~~, SCWK 4314, ~~and 4410~~ SCWK 4317, SCWK 4521, and SCWK 4620

4323 Field of Practice: Social Work in Addictions is aimed at developing knowledge skills, and beginning competence, necessary for assessment and intervention with populations experiencing problems and risks associated with the use and abuse of chemicals and non-chemical addictions throughout the lifespan. Themes addressed include: the oppression of addictions; social determinants of

School of Social Work (cont'd)

addictions, the social worker's role in the continuum of care; strengths; the special needs of women, aboriginal, and GLBT populations.

CO: SCWK 4302

CR: the former SCWK 4616

PR: SCWK 4312, ~~4313~~, SCWK 4314, ~~and 4410~~ SCWK 4317, SCWK 4521, and SCWK 4620

~~4410~~ 3410 Applied Research and Evaluation for Social Work Practice teaches theories, concepts and methods of systematic inquiry and its relationship to professional social work judgment and action. The contribution of applied research to social justice, community based inquiry and accountability and evidence based practice is emphasized. Topics to be explored include: quantitative, qualitative, action and evaluative approaches to systematic inquiry for social work practice; ethical considerations in social work research.

CO: SCWK 4312, ~~4313~~ and ~~4314~~; or ~~SCWK 2211, 2320, 2520, and 2714~~ 3221 and 3720; or admission to the Second Degree program option

CR: the former SCWK ~~4410~~, the former SCWK 4420, and the former SCWK 4421

PR: SCWK ~~3221, 3521 and 3720~~ 3300 and SCWK 3311; or admission to the Ssecond Ddegree program option

4620 Field of Practice: Social Work in Interdisciplinary Mental Health and Health Services provides an overview of mental health and illness, the impact on people and communities and social work interventions within an interdisciplinary community context. The oppression of illness, disability and mental health problems across the lifespan is considered as well as the role of social work in the continuum of care. Topics include: mental health, health, mental illness, disability, social determinants of health, social movements and advocacy.

CO: SCWK 4312, ~~4313~~, SCWK 4314, ~~and 4410~~ SCWK 4317, and SCWK 4521

CR: the former SCWK 4610, the former SCWK 5610, and the former SCWK 5613

PR: ~~SCWK 3221, 3521 and 3720~~ Successful completion of all designated Year 3 courses for the First Degree program option.

~~4820-4829 Selected Topics in Social Work~~ may be offered by the School. Students should consult the School for selected topics being offered in a given semester.

CO: ~~SCWK 4302~~

PR: ~~SCWK 4312, 4313, 4314 and 4410~~

62.4 School of Pharmacy

It was moved by Professor Walsh, seconded by Mr. Brett, and carried to approve this new program along with a friendly amendment of changing the deadline date of November 15 to February 1.

Page 457, 2016-2017 Calendar, following the section 10.4 Leave of Absence, insert the following new calendar entry as follows:

11 Description of Program – Doctor of Pharmacy (Pharm.D.) for Working Professionals

11.1 Doctor of Pharmacy (Pharm.D.) for Working Professionals

The Doctor of Pharmacy (Pharm.D.) for Working Professionals is a part-time undergraduate program designed for practicing pharmacists who wish to remain employed while pursuing the degree of Doctor of Pharmacy. A cohort-based learning environment offers an effective blend of theory and practice.

The program is comprised of 15 courses totaling 55 credit hours and can be completed either as a three- or four-year option. The program supports a patient-centered course of study and will be delivered through a combination of online courses, on-campus clinical skills workshops, and experiential learning.

All courses in the School of Pharmacy are designated by the abbreviation PHAR.

11.2 Registration as a Pharmacist

A student must be licensed as a “Pharmacist” through the student’s pharmacy licensing body in the province, territory, or country in which they reside. Applicants will be asked to submit proof of licensure with the application for admission to the School and must maintain licensure throughout the program. Additionally, prior to the commencement of an Advanced Pharmacy Practice Experience in another jurisdiction, a student must register with the respective licensing body. Further requirements may exist for international Advanced Pharmacy Practice Experiences. A student who fails to meet the registration requirements will be required to withdraw from the program.

11.3 Advanced Pharmacy Practice Experience (APPE)

The Pharm.D. for Working Professionals requires the completion of two Advanced Pharmacy Practice Experiences (APPE) in the final year of the program. Students may request to complete both APPE courses in either Winter semester or Spring semester of the final year of the program.

The School of Pharmacy provides overall direction for practice experiences and will oversee the placement of students at practice sites. Students are responsible for all travel and accommodation costs associated with APPEs.

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For all APPEs, students are required to provide evidence of a valid Standard First Aid Level C certificate. Evidence of recertification must be submitted no later than one month before the expiry date of the certification.

Students are required to provide evidence of authorization to administer drugs by injection prior to the first APPE.

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.

11.3.1 Advanced Pharmacy Practice Experience Evaluation

1. Evaluation of the student's performance is conducted by the preceptor responsible for supervising the student during the APPE. Preceptors determine the competency level of the student for each of the outcomes.
2. The School determines the grade of each APPE, 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 (such as violation of the **Student Code of Conduct**: <http://www.mun.ca/student/conduct/conduct.php>) as to be terminated from an APPE site will be assigned a grade of FAL (fail) for that APPE and may be required to withdraw from the program.

12 Admission Regulations - Doctor of Pharmacy (Pharm.D.) for Working Professionals

The application deadline is ~~November 15~~ February 1st in any year. Application information will be made available at www.mun.ca/pharmacy/.

In addition to meeting **UNIVERSITY REGULATIONS** students applying for admission for the program must meet the admission regulations of the School.

12.1 General Information

1. Admission will be to the first year of the Doctor of Pharmacy (Pharm.D.) for Working Professionals in the Fall term.
Entry to the program is competitive for a limited number of seats. Priority is given to applicants who are residents of Newfoundland and Labrador or who graduated from Memorial's School of Pharmacy. The

final decision on admission is determined by the Committee on Undergraduate Student Admissions of the School of Pharmacy.

2. The Committee on Undergraduate Student Admissions of the School of Pharmacy considers each applicant's professional background and information on the applicant's personal characteristics and achievements as given by the applicant.
3. The School of Pharmacy does not require certificates of conduct (criminal record checks) or other screening procedures as a condition of admission to its program. However, applicants should be aware such certificates of conduct 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.

12.2 Application Forms and Deadlines - Doctor of Pharmacy (Pharm.D.) for Working Professionals

1. Application forms are available through the School of Pharmacy website at www.mun.ca/pharmacy/.
2. All application forms, supporting documentation, and fees for admission to the program must be received on or before the deadline of November 15th February 1st in any year.
3. Incomplete applications and applications received after the deadline may not be considered.

12.3 Admission Requirements - Doctor of Pharmacy (Pharm.D.) for Working Professionals

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.

To be considered for admission, an applicant:

1. Must be a licensed pharmacist in good standing with the licensing body.

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2. Must have graduated with a Bachelor's degree from an accredited Canadian Pharmacy program or the former pharmacist diploma program from the Newfoundland and Labrador College of Trades and Technology; and/or have successfully completed the Pharmacy Examining Board of Canada (PEBC) Qualifying Exam.

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 the competition for that year.

12.4 Acceptance Procedures – Doctor of Pharmacy (Pharm.D.) for Working Professionals

1. The decision of the Committee on Undergraduate Student Admissions of the School of Pharmacy will be sent electronically to applicants by the Dean of the School. 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 \$1,000, 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 term.
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 term as set out in **Table 3 Doctor of Pharmacy for Working Professionals** 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.

13 Program Regulations – Doctor of Pharmacy (Pharm.D.) for Working Professionals

13.1 Doctor of Pharmacy (Pharm.D.) for Working Professionals

- The 55 credit hour Doctor of Pharmacy (Pharm.D.) for Working Professionals is available to be completed as a three- or a four-year option. Normally, a student must complete the degree requirements either as a three- or four-year option from the time of initial admission. Courses normally shall be taken in the Academic terms in the sequence and course load as set out in **Table 3 Doctor of Pharmacy for Working Professionals.**

School of Pharmacy (cont'd)**Table 3 Doctor of Pharmacy for Working Professionals**

Term	Three-year Option Required Courses	Four-year Option Required Courses
<u>Fall Year 1,</u> <u>Academic Term 1</u>	<u>PHAR 4900</u> <u>PHAR 4901</u> <u>PHAR 4902</u>	<u>PHAR 4900</u> <u>PHAR 4901</u> <u>PHAR 4902</u>
<u>Winter Year 1,</u> <u>Academic Term 2</u>	<u>PHAR 4903</u> <u>PHAR 4910</u>	<u>PHAR 4903</u>
<u>Spring Year 1,</u> <u>Academic Term 3</u>	<u>PHAR 5901</u>	
<u>Fall Year 2,</u> <u>Academic Term 4</u>	<u>PHAR 5902</u> <u>PHAR 5920</u>	<u>PHAR 5902</u>
<u>Winter Year 2,</u> <u>Academic Term 5</u>	<u>PHAR 5903</u> <u>PHAR 5904</u>	<u>PHAR 4910</u>
<u>Spring Year 2,</u> <u>Academic Term 6</u>	<u>PHAR 6900</u> <u>PHAR 6930</u>	<u>PHAR 5901</u>
<u>Fall Year 3,</u> <u>Academic Term 7</u>	<u>PHAR 5905</u>	<u>PHAR 5920</u>
<u>Winter Year 3,</u> <u>Academic Term 8</u>	<u>PHAR 610P</u>	<u>PHAR 5903</u> <u>PHAR 5904</u>
<u>Spring Year 3,</u> <u>Academic Term 9</u>	<u>PHAR 611P</u>	<u>PHAR 6900</u> <u>PHAR 6930</u>
<u>Fall Year 4</u> <u>Academic Term 10</u>		<u>PHAR 5905</u>
<u>Winter Year 4</u> <u>Academic Term 11</u>		<u>PHAR 610P</u>
<u>Spring Year 4</u> <u>Academic Term 12</u>		<u>PHAR 611P</u>
<i><u>PHAR 5901-5905 may be offered on a rotating basis and may not be offered in the order shown above</u></i> <i><u>Students may request to complete both APPE courses (PHAR 610P, 611P) in either the Winter or Spring semester of the final year of the program.</u></i>		

14 Promotion Regulations – Doctor of Pharmacy (Pharm.D.) for Working Professionals**14.1 General Information**

- The Committee on Undergraduate Studies of the School of Pharmacy will determine each student's promotion status at the end of each Academic year.
- In addition to meeting the promotion regulations for the

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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.

14.2 Promotion Status

A student's promotion status at the end of each Academic year will be in one of the following two categories:

14.2.1 Clear Promotion

Clear Promotion means a student can proceed to the next Academic year. Clear Promotion will be granted when all of the following criteria are met:

- A student has obtained a grade of pass (numeric grade of at least 50% or PAS) in each course as outlined in **Table 3 Doctor of Pharmacy (Pharm.D.) for Working Professionals**.
- In the academic years where PHAR 4900 and 6900 are taken, a student has attended the relevant course (PHAR 4900 or 6900) on-campus and obtained a grade of PAS (pass) in the course.
- A student has maintained professional and ethical behaviour consistent with the **Student Code Conduct** as outlined at: www.mun.ca/student/conduct and with the requirements for conduct and professionalism in the School of Pharmacy, see www.mun.ca/pharmacy.

14.2.2 Promotion Denied

Promotion Denied means Clear Promotion is not achieved at the end of the Academic year. Promotion Denied will be granted when any of the following criteria are met:

- A student has obtained less than a pass (numeric grade of less than 50% or FAL) in any course as outlined in **Table 3 Doctor of Pharmacy (Pharm.D.) for Working Professionals**.
- In the academic years where PHAR 4900 and 6900 are taken, a student has failed to attend the relevant course (PHAR 4900 or 6900) on-campus and/or has obtained a grade of FAL (fail).
- A student has not maintained the professional and ethical behaviour consistent with the **Student Code of Conduct** as outlined at: www.mun.ca/student/conduct and with the requirements for conduct and professionalism in the School of

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Pharmacy, see www.mun.ca/pharmacy.

Notwithstanding the above, the School of Pharmacy may offer the student the option to repeat a course 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 Committee on Undergraduate Studies of the School of Pharmacy.

14.2.3 Other Information

To be recommended for graduation, a student must have Clear Promotion after successful completion of all course requirements.

1. Applied Learning courses (PHAR 4910, 5920, 6930):
 - A student is permitted to repeat only one Applied Learning course. A student who fails an Applied Learning course on a second attempt will be required to withdraw from the program.
 - If a failed grade is received in more than one Applied Learning course, the student will be required to withdraw from the program.
 - In certain circumstances (such as violation of the **Student Code of Conduct**: <http://www.mun.ca/student/conduct/conduct.php>), failure of an Applied Learning course may result in the student being required to withdraw from the program.
2. Advanced Pharmacy Practice Experiences courses (PHAR 610P, 611P):
 - 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.
 - A student is permitted to repeat only one APPE course. A student who fails an APPE course 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.
 - In certain circumstances (such as violation of the **Student Code of Conduct**: <http://www.mun.ca/student/conduct/conduct.php>), failure of an APPE course may result in the student being required to withdraw from the program.

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14.3 Student Withdrawal

- Students may be required to withdraw from the program at any time, if in the opinion of the Dean of Pharmacy, the student is 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.

14.4 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 Registration**. In all cases, the intent to withdraw voluntarily should be discussed with the Dean. At the end of this period, the student, in consultation with the Committee on Undergraduate Studies of the School of Pharmacy, 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.

~~14~~ **15 Supplementary and Deferred Examination Regulations**
~~Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)~~

- 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.
- 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.
- A student shall be permitted to write a maximum number of one supplementary examination (excluding Pharmacy Practice 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

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supplementary examination only once.

- For further details please refer to the School's Supplementary Examination Policy which is available at www.mun.ca/pharmacy 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 www.mun.ca/pharmacy or contact the Associate Dean of Undergraduate Studies.

12 ~~16~~ Graduation – Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)

Upon meeting the qualifications for any of the programs of the School of Pharmacy, a student must apply by the appropriate deadline date to graduate on the prescribed

~~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. Additional information is available from the Office of the Registrar at www.mun.ca/regoff/graduation/apply_grad.php.

13 ~~17~~ Waiver of School Regulations – Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)

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**.

13 ~~17.1~~ General Information – Bachelor of Science (Pharmacy) and Doctor of Pharmacy (Pharm.D.)

- 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 Committee on Undergraduate Studies of the School of Pharmacy.
- All requests must be submitted to the Committee on Undergraduate Studies of the School of Pharmacy for consideration. A student

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requesting a waiver of a School regulation must submit the request in writing to the Chair of the Committee on Undergraduate Studies of the School of Pharmacy. 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.

14 18 Appeal of Regulations –~~Bachelor of Science (Pharmacy)~~ and Doctor of Pharmacy (Pharm.D.)

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.***

- An applicant who has been denied admission has the right to appeal this decision of the Committee on Undergraduate Student Admissions of the School of Pharmacy if it is felt by the applicant that the decision was reached on grounds other than those outlined in the admission regulations for the former Bachelor of Science (Pharmacy), ~~and in the Admission Regulations for the Doctor of Pharmacy (Pharm.D.) and Admission Regulations - Doctor of Pharmacy (Pharm.D) for Working Professionals.~~ The appeal should 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.

15 19 Course Descriptions

- 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.
- A student is advised to pay attention to Usage Limitation (UL) for each course to determine its program applicability.
- All courses of the School are designated by PHAR and are restricted to students in the School of Pharmacy.

2002 Anatomy and Physiology I 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. The focus will be on developing an understanding of the

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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 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. 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. Other topics include: enzymes; the biochemistry of membranes, including the plasma membrane and specialized intracellular membranes; and the biochemistry of selected differentiated cells.

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 term 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 Structured 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

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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 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

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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 where 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 begin. Application of knowledge and skills will occur in simulated pharmacy practice situations.

AR: attendance is required in practice sessions

CH: 5

CO: all Academic Term 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 Academic Term 2 Pharmacy courses, with the exception of PHAR 2010

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 2250

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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 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: 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

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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: applicable only to the Bachelor of Science (Pharmacy) program

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

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

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

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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 Academic Term 4 & 5 courses

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

3111 General Biochemistry covers the catabolism of carbohydrates, lipids and amino acids. Mitochondria, chloroplasts and ATP synthesis. Biosynthesis of carbohydrates and lipids. Metabolic specialization of differentiated cells and tissues. Integration of metabolism.

CR: Biochemistry 3106

OR: tutorials as required

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 medically 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

School of Pharmacy (cont'd)

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

3205 Pharmaceutics III consists of several units. The standards of good manufacturing practice will be introduced. Characteristics, preparation, quality assurance and delivery systems for sterile products will be covered. The basic principles governing the application of radiation and radioactive compounds in medical diagnosis and therapy will be discussed. The status of current biotechnology-based pharmaceuticals and biotechnology related matters will be addressed.

PR: PHAR 2202

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 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

CH: 5

CO: all Academic Term 4 Pharmacy 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.

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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

CH: 5

CO: all Academic Term 5 Pharmacy 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 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

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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: applicable only to the Bachelor of Science (Pharmacy) program

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;

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attendance is required

PR: PHAR 3650

UL: 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

3810 Microbiology of Infectious Diseases examines the various types of micro-organisms (bacterial, viral, parasitic, and fungal), microbial growth, and their relationship 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 the functional group recognition and 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

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.

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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

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 Academic Term 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, prevent, and resolve drug-related problems. Effective communication skills, professionalism, and teamwork, are expected.

AR: attendance is required

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CH: 2

PR: all Academic Term 7 & 8 courses

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: 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 Academic Term 7 Pharmacy courses

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 practice sessions

CH: 5

CO: all Academic Term 8 Pharmacy courses

LC: 2

OR: practice sessions 3 hours per week

PR: PHAR 4250

School of Pharmacy (cont'd)

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

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: 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 centre around several key issues including: the establishment of desired therapeutic

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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 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; attendance is required

PR: PHAR 4401

UL: applicable only to the Bachelor of Science (Pharmacy) program

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 pharmaco-economic concepts and develops the skills necessary to the practice of research

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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: 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 term 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: applicable only to the Bachelor of Science (Pharmacy) program

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

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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: 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 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: 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 will focus on the pharmacological basis of the action of drugs leading to therapeutic effects, as well as adverse effects.

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Topics may include drugs used in the management of infectious diseases, the endocrine system, and inflammatory diseases, as well as hormonal drugs and analgesics.

CH: 2

CO: PHAR 4270 and 4802

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 pharmacodynamics 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.

CH: 2

LC: 2

PR: PHAR 2202 and 3111

4900 Clinical Skills I is an on-campus, three-day (21 hours) orientation to the fundamental knowledge and skills for advanced practice. Topics may include the principles of prescribing, point-of-care testing, drug information skills, physical assessment, and advanced communication skills. This course may commence beyond the semester start date.

AR: attendance is required

CH: 2

CO: PHAR 4901 and 4902

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

4901 Essentials of Pharmacy Practice provides the foundational principles and skills of pharmacy practice such as documentation, special populations, and pharmacokinetics. Health systems, social justice, and informatics may also be explored.

School of Pharmacy (cont'd)

CH: 4

CO: PHAR 4900 and 4902

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

4902 Pharmacy Management and Leadership explores the principles of change management and leadership as they relate to pharmacy practice. Topics may include the business environment, financial management, continuous quality improvement, business marketing and promotion, human resources management, pharmacy services implementation, effective pharmacy operations, and technology in pharmacy practice.

CH: 2

CO: PHAR 4900 and 4901

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

4903 Evidence-Based Practice integrates advanced drug information, therapeutic decision-making, critical evaluation of medical literature, and synthesis of information to form reliable therapeutic recommendations using the principles of evidence-based practice. Topics may include critical appraisal of drug therapy and pharmacy practice research.

PR: PHAR 4900, 4901, and 4902

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

4910 Applied Learning I: Leadership and Education focuses on the development of leadership skills to implement change in practice through education and advocacy.

Topics may include: learning styles, facilitation skills, instructional design, and teaching methods. Principles of health promotion and the importance of advocating change will also be explored. Students will demonstrate their learning through the completion of applied learning activities at their practice sites.

PR: PHAR 4902

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

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.

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AR: attendance is required

CH: 18

LC: 0

PR: successful completion of 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 Academic Term 11 in an institutional direct patient care setting. This course serves as a transition to the Advanced Pharmacy Practice Experience.

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 Academic Term 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 Academic Term 10 Pharmacy courses

LC: 2

OR: practice sessions 3 hours per week PR: PHAR 4251

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 Academic Term 11 Pharmacy courses

LC: 2

School of Pharmacy (cont'd)

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
CH: 2
CO: PHAR 5251
LC: 2

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,

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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 term to critically appraise at least two recently published studies. Emphasis will be placed on appropriate application of critical appraisal skills and group discussion of impact of study findings on clinical practice.

CH: 1

CR: the former PHAR 5501

LC: 0

OR: tutorials 1 hour per week

PR: PHAR 4505 or equivalent

UL: applicable only to the Bachelor of Science (Pharmacy) program

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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: applicable only to the Bachelor of Science (Pharmacy) program1

5815 Pharmacology III is the final course in the series that 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 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

LH: 2

PR: PHAR 4820

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5901 Pharmaceutical Care I discusses the pharmacotherapeutic management of common diseases and effective management of patient's drug therapy. The focus will be 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. Emphasis will be placed on diseases of the cardiovascular system.

PR: PHAR 4910

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

5902 Pharmaceutical Care II discusses the pharmacotherapeutic management of common diseases and effective management of patient's drug therapy. The focus will be 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. Emphasis will be placed on diseases of the renal and digestive systems.

PR: PHAR 4910

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

5903 Pharmaceutical Care III discusses the pharmacotherapeutic management of common diseases and effective management of patient's drug therapy. The focus will be 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. Emphasis will be placed on disorders of the protective, structural, and endocrine systems.

PR: PHAR 4910

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

5904 Pharmaceutical Care IV discusses the pharmacotherapeutic management of common diseases and effective management of patient's drug therapy. The focus will be 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. Emphasis will be placed on respiratory disorders and infectious diseases.

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PR: PHAR 4910

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

5905 Pharmaceutical Care V discusses the pharmacotherapeutic management of common diseases and effective management of patient's drug therapy. The focus will be 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. Emphasis will be placed on neurological disorders and mental health conditions.

PR: PHAR 4910

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

5920 Applied Learning II: Medication Safety and Evaluation focuses on the principles of medication safety, medication use evaluation, adverse drug events, and medication errors and incident reporting. Students will demonstrate their learning through the completion of applied learning activities at their practice sites.

PR: PHAR 4910 and at least one of PHAR 5901, 5902, 5903, 5904, 5905 UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

605P Advanced Pharmacy Practice Experience: Direct Patient Care is an eight week (320 hours) practice experience completed during the final year of the program (following Academic Term 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 Academic Term 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 Academic Term 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.

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AR: attendance is required

CH: 12

PR: all Academic Term 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 Academic Term 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 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 Academic Term 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 Academic Term 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 Academic Term 10 & 11 courses

610P Advanced Pharmacy Practice Experience: Ambulatory Care is a six week (240 hours) practice experience completed during the final year of the program.

Students will develop their medication therapy management skills and pharmaceutical care in an ambulatory care setting. 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: 9

PR: PHAR 6900, 6930 and at least four of PHAR 5901, 5902, 5903, 5904, and 5905

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

School of Pharmacy (cont'd)

611P Advanced Pharmacy Practice Experience: Inpatient Care is a six week (240 hours) practice experience completed during the final year of the program. Students will develop the essential skills necessary to provide direct patient care in an inpatient setting. 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: 9

PR: PHAR 6900, 6930 and at least four of PHAR 5901, 5902, 5903, 5904, and 5905

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

6900 Clinical Skills II is an on-campus, three-day (21 hours) introduction to the Advanced Pharmacy Practice Experience component of the program. Topics may include motivational interviewing, intraprofessional and interprofessional collaboration, documentation, and expanded scope of pharmacy practice. Students will continue to demonstrate skills in communication, physical assessment, and documentation. This course may commence beyond the semester start date.

AR: attendance is required

CH: 2

CO: PHAR 6930 PR: PHAR 4900

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

6930 Applied Learning III: Pharmaceutical Care and Interprofessional Collaboration focuses on the expansion of skills in physical assessment, communication, documentation, teamwork, and interprofessional collaboration through the pharmaceutical care process. Students will demonstrate their learning through the completion of applied learning activities at their practice sites.

CO: PHAR 6900

PR: PHAR 5920 and at least three of PHAR 5901, 5902, 5903, 5904, 5905

UL: applicable only to the Doctor of Pharmacy (Pharm.D.) for Working Professionals

AR = Attendance requirement; CH = Credit hours are 3 unless otherwise noted; CO = Co-requisite(s); CR = Credit can be retained for only one course from the set(s) consisting of the course being described and the course(s) listed; LC = Lecture hours per week are 3 unless otherwise noted; LH = Laboratory hours per week; OR = Other requirements of the course such as tutorials, practical sessions, or seminars; PR = Prerequisite(s); UL = Usage limitation(s).”

62.5 Joint Degrees of Bachelor of Arts and Bachelor of Science

It was moved by Professor Walsh, seconded by Dr. Phillips and carried, that on page 283, 2016-2017 Calendar, following the section 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, insert the following new section as follows:

“5.6 Joint Degrees of Bachelor of Arts and Bachelor of Science

Students who wish to simultaneously pursue a Bachelor of Arts program and a Bachelor of Science program may do so by completing a minimum of 135 credit hours in courses, rather than the minimum of 150 credit hours required under **General Academic Regulations (Undergraduate) – Residence Requirements – Second Degree.**

Students who complete the Joint Degrees of Bachelor of Arts and Bachelor of Science are not required to complete a minor. Students may complete the requirements for a minor, or an additional (third) major, in accordance with **General Academic Regulations (Undergraduate) – Degree and Departmental Regulations – Further Credentials.**

Credit hours earned in Computer Science, Economics, Geography, Mathematics and Statistics, and Psychology may be eligible to simultaneously satisfy a requirement for credit hours in the Faculty of Humanities and Social Sciences and a requirement for credit hours in the Faculty of Science.

Careful planning of courses is crucial to ensure timely completion of the Joint Degrees of Bachelor of Arts and Bachelor of Science. Students enrolled in this program, or who plan to enroll in this program, are strongly encouraged to consult regularly with appropriate academic advisors in both the Faculty of Humanities and Social Sciences and the Faculty of Science. It may not be possible to complete the requirements for the Joint Degrees in the normal time if the decision to embark on the program is delayed.

Students who have enrolled in the Joint Degrees of Bachelor of Arts and Bachelor of Science must satisfy all program requirements before they may be granted either the degree of Bachelor of Arts or the degree of Bachelor of Science, and must graduate with both degrees at the same convocation.

1. The minimum of 135 credit hours for the Joint Degrees of Bachelor of Arts and Bachelor of Science shall include:
 - a. a Major program chosen from those majors offered by departments within the Faculty of Humanities and Social Sciences and the interdisciplinary Arts majors, with the

Joint Degrees of Bachelor of Arts and Bachelor of Science (cont'd)

- exception of majors offered by the Department of Computer Science, the Department of Mathematics and Statistics, and the Department of Psychology;
- b. a Major program chosen from those majors offered by departments within the Faculty of Science, with the exception of majors offered by the Department of Economics and the Department of Geography;
 - c. the **Core Requirements** for the Faculty of Humanities and Social Sciences (including the Breadth of Knowledge Requirement, the Critical Reading and Writing Requirement, the Language Study Requirement, and the Quantitative Reasoning Requirement), for which the Quantitative Reasoning Requirement shall be satisfied by six credit hours in Mathematics courses;
 - d. six credit hours in courses from each of two Sciences other than Mathematics;
 - e. a total of at least 78 credit hours in courses offered by departments within the Faculty of Humanities and Social Sciences, and a total of at least 78 credit hours offered by departments within the Faculty of Science;
 - f. no more than six credit hours in courses offered by a Faculty or School other than the Faculty of Humanities and Social Sciences or the Faculty of Science.

While the Joint Degrees of Bachelor of Arts and Bachelor of Science is available to all Major programs offered by the Faculty of Humanities and Social Sciences and the Faculty of Science, students pursuing a major outside of Computer Science, Economics, Geography, Psychology, Pure Mathematics or Statistics should pay special attention to course planning and selection to ensure that this requirement is met within the required 135 credit hours.

- 2. Admission to the Major programs shall be governed by **Faculty of Humanities and Social Sciences – Admission to the Bachelor of Arts General Degree Programs** and **Faculty of Science – Degree Regulations – Admission to the Department of Subject of Major.**
- 3. Where an admission requirement or program regulation for the Major program from the Faculty of Science includes English 1080 and English 1110 (or equivalent), such requirements may instead be satisfied by the completion of three credit hours in any 1000-level Critical Reading and Writing (CRW) course offered by the Department of English, and an additional three credit hours in any Faculty of Humanities and Social Sciences course whose title begins with “Critical Reading and Writing” chosen from those listed under **Core Requirements – Critical Reading and Writing (CRW) Requirement** for the Bachelor of Arts.
- 4. Students who have already completed a bachelor’s degree are not

Joint Degrees of Bachelor of Arts and Bachelor of Science (cont'd)

eligible to complete the Joint Degrees of Bachelor of Arts and Bachelor of Science, but may separately complete a Bachelor of Arts or a Bachelor of Science in accordance with **General Academic Regulations (Undergraduate) – Residence Requirements – Second Degree.**

Page 487, 2016-2017 Calendar, following the section 6.5.7 Classification of Degrees, insert the following new section as follows:

“6.6 Joint Degrees of Bachelor of Science and Bachelor of Arts

Students who wish to simultaneously pursue a Bachelor of Science program and a Bachelor of Arts program may do so by completing a minimum of 135 credit hours in courses, rather than the minimum of 150 credit hours required under **General Academic Regulations (Undergraduate) – Residence Requirements – Second Degree.**

Students who complete the Joint Degrees of Bachelor of Science and Bachelor of Arts are not required to complete a minor. Students may complete the requirements for a minor, or an additional (third) major, in accordance with **General Academic Regulations (Undergraduate) – Degree and Departmental Regulations – Further Credentials.**

Credit hours earned in Computer Science, Economics, Geography, Mathematics and Statistics, and Psychology may be eligible to simultaneously satisfy a requirement for credit hours in the Faculty of Science and a requirement for credit hours in the Faculty of Humanities and Social Sciences.

Careful planning of courses is crucial to ensure timely completion of the Joint Degrees of Bachelor of Science and Bachelor of Arts. Students enrolled in this program, or who plan to enroll in this program, are strongly encouraged to consult regularly with appropriate academic advisors in both the Faculty of Science and the Faculty of Humanities and Social Sciences. It may not be possible to complete the requirements for the Joint Degrees in the normal time if the decision to embark on the program is delayed.

Students who have enrolled in the Joint Degrees of Bachelor of Science and Bachelor of Arts must satisfy all program requirements before they may be granted either the degree of Bachelor of Science or the degree of Bachelor of Arts, and must graduate with both degrees at the same convocation.

1. The minimum of 135 credit hours for the Joint Degrees of Bachelor of Science and Bachelor of Arts shall include:
 - a. a Major program chosen from those majors offered by departments within the Faculty of Science, with the

Joint Degrees of Bachelor of Arts and Bachelor of Science (cont'd)

- exception of majors offered by the Department of Economics and the Department of Geography;
- b. a Major program chosen from those majors offered by departments within the Faculty of Humanities and Social Sciences and the interdisciplinary Arts majors, with the exception of majors offered by the Department of Computer Science, the Department of Mathematics and Statistics, and the Department of Psychology;
 - c. the **Core Requirements** for the Faculty of Humanities and Social Sciences (including the Breadth of Knowledge Requirement, the Critical Reading and Writing Requirement, the Language Study Requirement, and the Quantitative Reasoning Requirement), for which the Quantitative Reasoning Requirement shall be satisfied by six credit hours in Mathematics courses;
 - d. six credit hours in courses from each of two Sciences other than Mathematics;
 - e. a total of at least 78 credit hours in courses offered by departments within the Faculty of Science, and a total of at least 78 credit hours offered by departments within the Faculty of Humanities and Social Sciences;
 - f. no more than six credit hours in courses offered by a Faculty or School other than the Faculty of Science or the Faculty of Humanities and Social Sciences.

While the Joint Degrees of Bachelor of Science and Bachelor of Arts is available to all Major programs offered by the Faculty of Science and the Faculty of Humanities and Social Sciences, students pursuing a major outside of Computer Science, Economics, Geography, Psychology, Pure Mathematics or Statistics should pay special attention to course planning and selection to ensure that this requirement is met within the required 135 credit hours.

- 2. Admission to the Major programs shall be governed by **Faculty of Science – Degree Regulations – Admission to the Department of Subject of Major and Faculty of Humanities and Social Sciences – Admission to the Bachelor of Arts General Degree Programs.**
- 3. Where an admission requirement or program regulation for the Major program from the Faculty of Science includes English 1080 and English 1110 (or equivalent), such requirements may instead be satisfied by the completion of three credit hours in any 1000-level Critical Reading and Writing (CRW) course offered by the Department of English, and an additional three credit hours in any Faculty of Humanities and Social Sciences course whose title begins with “Critical Reading and Writing” chosen from those listed under **Core Requirements – Critical Reading and Writing (CRW) Requirement** for the Bachelor of Arts.
- 4. Students who have already completed a bachelor’s degree are not

Joint Degrees of Bachelor of Arts and Bachelor of Science (cont'd)

eligible to complete the Joint Degrees of Bachelor of Science and Bachelor of Arts, but may separately complete a Bachelor of Science or a Bachelor of Arts in accordance with **General Academic Regulations (Undergraduate) – Residence Requirements – Second Degree.**

62.6 Department of Ocean Sciences

It was moved by Professor Walsh, seconded by Mr. Brett, and carried that on page 505, 2016-2017 Calendar, following the section 9.9.2 Minor in Sustainable Aquaculture and Fisheries Ecology, insert the following new section as follows:

“9.9.3 Major in Ocean Sciences

Students wishing to take this program are encouraged to carefully consult Section 6.4 of the Calendar dealing with Regulations for the Degree of Bachelor of Science.

The Major in Ocean Sciences consists of core courses that provide a broad appreciation of the multidisciplinary nature of ocean study, and additional courses in various Science subjects. Students can pursue the general Major in Ocean Sciences, or a disciplinary stream that provides focus for the degree program. More information on specialization, including recommended courses and time tables, can be found in the Handbook of Undergraduate Studies in Ocean Sciences on the Department website.

9.9.3.1 Entrance Requirements

Admission to the Ocean Sciences Major Programs is based on academic standing. To be considered for admission to the program, students must normally have completed 30 credit hours with an overall average of at least 65%. The following courses must normally have been completed:

1. English 1080 and 1110 (or equivalent);
2. Mathematics 1000 (or equivalent);
3. Physics 1020 (or Physics 1050);
4. Chemistry 1050 and 1051 (or 1010 and 1011 or 1200 and 1001);
5. Biology 1001 and 1002;
6. Earth Sciences 1000;
7. Ocean Sciences 1000 with a minimum grade of 65%.

Students who wish to enroll in any of these programs should plan well in advance so that they have the appropriate prerequisites. Entry to required courses may be limited and determined by academic performance. Students are advised to consult with the Department at the

Department of Ocean Sciences (cont'd)

earliest opportunity. Each student registered in the Major will be assigned a faculty advisor who should be consulted on academic issues, including course selection.

9.9.3.2 Bachelor of Science with Major in Ocean Sciences

1. English 1080 and 1110 (or equivalent);
2. Mathematics 1000 (or equivalent);
3. Statistics 2550 (or equivalent);
4. Physics 1020 and 1021 (or Physics 1050 and 1051);
5. Chemistry 1050 and 1051 (or 1010 and 1011)
(or 1200 and 1001);
6. Biology 1001 and 1002;
7. Earth Sciences 1000;
8. A minimum of 30 credit hours in Ocean Sciences, including:
 - a. Ocean Sciences 1000, 2000 (or Biology 3710), 2001,
2100 and 2500;
 - b. At least one of Ocean Sciences 2200 or 2300;
 - c. At least 9 credit hours at the 3000 and/or 4000 level.
Choices include but are not limited to Ocean Sciences
3000, 3002, 3620, 3640, 4000, 4100, 4122, 4601;
9. Extra Science courses as necessary to fulfil the minimum requirement for 78 credit hours in Science as stipulated in Clause 3.a. of the Regulations for the General Degree of Bachelor of Science. The program should include a minimum of 15 credit hours in Science courses at the 3000 and/or 4000 level.
10. Elective courses as necessary to make up the total of 120 credit hours.

9.9.3.3 Bachelor of Science with Major in Ocean Sciences (Environmental Systems)

1. English 1080 and 1110 (or equivalent);
2. Mathematics 1000 (or equivalent);
3. Statistics 2550 (or equivalent)
4. Physics 1020 and 1021 (or Physics 1050 and 1051);
5. Chemistry 1050 and 1051 (or Chemistry 1010 and 1011)
(or 1200 and 1001);

Department of Ocean Sciences (cont'd)

6. Biology 1001 and 1002;
7. Geography 1050, and at least two of Geography 2102, 2195, or 2425;
8. Earth Sciences 1000, 1002, 2502;
9. At least 9 credit hours at the 3000 and/or 4000 level chosen from:
 - a. Geography 3120, 3140, 3250, 3425, 3510, 3905, 3907, 4250, 4908, 4917;
 - b. Earth Sciences 3600, 4605, 4903;
10. A minimum of 30 credit hours in Ocean Sciences, including:
 - a. Ocean Sciences 1000, 2000 (or Biology 3710), 2001, 2100, 2200, 2300 and 2500;
 - b. At least 9 credit hours at the 3000 and/or 4000 level. Choices include but are not limited to Ocean Sciences 3000, 3002, 3620, 3640, 4000, 4100, 4122, 4601;
11. Elective courses as necessary to make up the total of 120 credit hours.”

Page 537, 2016-2017 Calendar, under the heading 10.9 Ocean Sciences, amend the calendar entry as follows:

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

AR: attendance is required. Failure to attend may result in a failing grade or withdrawal from the course.

PR: Science 1807; OCSC 1000, and at least three of OCSC 2000 (or BIOL 3710), 2100, 2200, 2300”

62.7 International Bachelor of Arts (iBA) Degree Program

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 277, 2016-2017 Calendar, under the heading 4 Admission to the Bachelor of Arts General Degree Programs, amend the calendar entry as follows:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“4 Admission to the Bachelor of Arts General Degree and International Bachelor of Arts General Degree Programs

These regulations shall also apply to ~~multidisciplinary and interdepartmental~~ interdisciplinary programs. In such cases, the student should contact the Program Coordinator or supervisor.

1. Declaration of the Bachelor of Arts or International Bachelor of Arts as a degree program may be made at the time of application to the University or by means of the *DECLARATION/CHANGE OF ACADEMIC PROGRAM* form following admission to the University. This form may be obtained at www.mun.ca/regoff/registration/DeclarationChange_AcadProg_ArtsSci.pdf or in-person at the Office of the Registrar.
2. A student who intends to complete a degree in the Faculty of Humanities and Social Sciences must also declare a Major and Minor (or second Major) chosen according to the *Major Program* and the *Minor Program* below. In most cases, this declaration may be made at the time of application to the University or, following admission to the University, by means of the *DECLARATION/CHANGE OF ACADEMIC PROGRAM* form, which must be submitted to the Office of the Registrar.
3. A student is encouraged to declare a Major and Minor (or second Major) no later than the semester in which they next attend the University following completion of 18 credit hours in courses applicable to their program(s).
4. A student is strongly advised to consult with departments or program coordinators or supervisors before making a declaration to the department or program of the student's intended Major or Minor.
5. In the case of programs with admission requirements which go beyond the general admission requirements of the University, a student should make formal application to the department, coordinator or supervisor after completion of the program's admission requirements. These Bachelor of Arts programs include, but are not restricted to the following: Major in Archaeology (Co-operative), Major in Economics (Co-operative), Major in Political Science (Co-operative). In the Faculty of Science, this includes, and the Major in Psychology (Co-operative).”

Page 277, 2016-2017 Calendar, amend the title 5 Program Regulations – General and Honours Degrees, as follows:

“5 Program Regulations – General, iBA and Honours Degrees”

International Bachelor of Arts (iBA) Degree Program (cont'd)

Page 278, 2016-2017 Calendar, under the heading 5.1.2 Core Requirements, following the table Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts, add the following:

“A student in the International Bachelor of Arts (iBA) program is advised to subsequently consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*.”

Page 281, 2016-2017 Calendar, under the heading 5.2 Graduation Requirements for the Bachelor of Arts General Degree, amend the calendar entry as follows:

“5.2 Graduation Requirements for the Bachelor of Arts General Degree and the iBA General Degree

1. In order to graduate with the *Bachelor of Arts General Degree*, a student shall obtain:
 - a. an overall average of 60% or higher on the minimum number of courses prescribed for *The Major Program* and,
 - b. an average of 60% or higher on the minimum number of courses prescribed for *The Minor Program*.

2. In order to graduate with the *International Bachelor of Arts General Degree*, a student shall obtain:

- a. an overall average of 60% or higher on the minimum number of courses prescribed for *The Major Program*;
- b. an average of 60% or higher on the minimum number of courses prescribed for *The Minor Program*; and,
- c. an average of 70% or higher in the minimum number of designated International Studies (IS) courses prescribed for the International Studies Courses Requirement.

2. 3. Students must apply to graduate by the appropriate deadline through the *Memorial Self-Service* under the Graduation section. Additional information is available from the Office of the Registrar at www.mun.ca/regoff/graduation/apply_grad.php.”

Page 283, 2016-2017 Calendar, under the heading 5.3.5 Academic Standing, amend the calendar entry as follows:

“5.3.5 Academic Standing

In order to graduate with ~~an Honours~~ a Bachelor of Arts (Honours) degree, a student shall obtain:

1. a grade of 70% or better, or an average of 75% or higher in the minimum number of courses (including the required courses in the Honours subject(s) prescribed by the Department or, in the case of Joint Honours, Departments concerned. A grade of 70% or better

International Bachelor of Arts (iBA) Degree Program (cont'd)

- must be obtained in the Honours essay and/or comprehensive examinations; and
2. an average of at least 2.75 points on the total number of credit hours in the courses required for the degree. (See *General Academic Regulations (Undergraduate)*, *Classification of General Degrees*.)

In order to graduate with an International Bachelor of Arts (Honours) degree, a student shall obtain:

1. a grade of 70% or better, or an average of 75% or higher in the minimum number of courses (including the required courses in the Honours subject(s) prescribed by the Department or, in the case of Joint Honours, Departments concerned. A grade of 70% or better must be obtained in the Honours essay and/or comprehensive examinations;
2. an average of at least 2.75 points on the total number of credit hours in the courses required for the degree. (See *General Academic Regulations (Undergraduate)*, *Classification of General Degrees*.); and,
3. an average of 70% or higher in the minimum number of designated International Studies (IS) courses prescribed for the International Studies Courses Requirement.”

Page 283, 2016-2017 Calendar, under the heading 5.4 Regulations Governing Co-operative Education Program, amend the calendar entry as follows:

“5.4 5.6 Regulations Governing Co-Operative Education Program

1. See Department of Archeology, Department of Economics and Department of Political Science
2. A student who transfers from a Co-operative Education degree program to an International Bachelor of Arts (iBA) degree program may, with permission of the Faculty’s Undergraduate Studies Committee and the Head of the department, be permitted to satisfy INTL 399W with the successful completion of a respective Major program work term that was completed outside of Canada.”

Page 283, 2016-2017 Calendar, following the section 5.3.6 Classification of Degrees, insert the following new section as follows:

“5.4 International Bachelor of Arts (iBA) Degree Regulations

1. The International Bachelor of Arts (iBA) Degree program is designed for students who are interested in the study of global dynamics and worldwide issues from the perspective of the Humanities and Social Sciences. The program’s objectives are to provide knowledge and analytical skills essential for research and work on cultural, economic, political, religious and social processes

International Bachelor of Arts (iBA) Degree Program (cont'd)

on a global scale. An iBA degree requires, in addition to the requirements of the *General Degree*, a combination of additional university-level language study, completion of designated courses with a clear international focus, and participation in either an international study or internship placement requiring residency outside of Canada.

2. The process for declaring an International Bachelor of Arts is the same as for declaring a regular Bachelor of Arts. However, admission to the *International Internship Option* is limited and competitive.
3. The iBA program is available exclusively to students who complete a Major or Honours program in one of the following Faculty of Humanities and Social Sciences programs: Anthropology, Archaeology, Classics, Economics, English, Folklore, French, Gender Studies, Geography, German, History, Linguistics, Philosophy, Political Science, Religious Studies, Russian, Sociology, Spanish.
4. The iBA is not available with a Major in an interdisciplinary program (Communication Studies, Law and Society, Medieval Studies, Police Studies) or a Faculty of Science program (Computer Science, Psychology, Pure Mathematics, Statistics) unless the student also completes an eligible Honours or Major program.
5. The iBA is not available to students who are enrolled in a Co-operative Education degree program.
6. Unless otherwise specified, normal Bachelor of Arts regulations apply with respect to Joint programs and Minor programs, including those offered by other Faculties and Schools.

5.4.1 Admission and Registration

1. A student shall declare a Major in the Humanities and Social Sciences, normally within the first 45 credit hours, or shall apply for admission to an Honours program in the Humanities and Social Sciences. Refer to 5.1.1 *Academic Advising and Declaring a Bachelor of Arts degree*.
2. A student who wishes to enter an iBA program is strongly advised to consult an academic advisor and international exchange coordinator early in their university career, as it may not be possible to complete the requirements for the degree in the normal time if the decision to embark on the program is delayed beyond the end of the second year.
3. In accordance with 6.2.3 *Further Credentials*, no student shall obtain more than one undergraduate degree from the Faculty of Humanities and Social Sciences.

International Bachelor of Arts (iBA) Degree Program (cont'd)

5.4.2 iBA Degree Components

A student for the Degree of International Bachelor of Arts (iBA) must complete a minimum of 120 credit hours in courses subject to the following regulations:

1. A student is required to complete the *Core Requirements* as detailed in the *Regulations for the General Degree of Bachelor of Arts*. These include:
 - a. Breadth of Knowledge Requirement
 - b. Critical Reading and Writing (CRW) Requirement
 - c. Language Study (LS) Requirement
 - d. Quantitative Reasoning (QR) Requirement
2. A student is required to complete a *Major Program* including a minimum 65% average, or alternatively an *Honours Program* including a grade of 75% or better;
3. A student is required to complete a *Minor Program* including a minimum 65% average, or alternatively a second Major including a minimum 65% average;
4. A student is required to complete general *electives*; and,
5. As part of the minimum 120 credit hours, an iBA student is also required to complete the following requirements, for which credit hours may be used to jointly satisfy other requirements of the degree:
 - a. International Studies (IS) Courses Requirement,
 - b. Additional Language Study (LS) Requirement, and
 - c. International Experience Requirement.

A student must complete all iBA requirements, subject to the following conditions:

6. All students are required to follow the regulations pertaining to the Bachelor of Arts degree unless otherwise specified.
7. Grenfell Campus courses and courses completed at other eligible academic institutions may be eligible to satisfy the International Studies (IS) Courses Requirement or the Additional Language Study (LS) Requirement. A course that involves international study may be eligible if it is demonstrated that it follows the IS course guidelines available at www.mun.ca/hss/IS. A course in a language other than English may be eligible if it is demonstrated that the course follows the LS course guidelines available at www.mun.ca/hss/ls. The Faculty of Humanities and Social Sciences' Committee on Undergraduate Studies is responsible for assessing the eligibility of these courses, in consultation with the applicable academic unit Head; refer to 9.3 *Other Regulations*.

International Bachelor of Arts (iBA) Degree Program (cont'd)

In consultation with an academic advisor, a student is encouraged to follow *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)* and to consider possible course sequencing in the *Program Regulations – General and Honours Degrees*. A student interested in a Bachelor of Arts Minor in an eligible program outside of the Faculty of Humanities and Social Sciences should consult an advisor in the appropriate department or suggested course sequencing, in addition to consulting an advisor in the Faculty of Humanities and Social Sciences.

Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)

<u>Semester</u>	<u>Suggested Course Planning</u>
<u>Semester 1</u> <u>(15 credit hours)</u>	<u>Follow <i>Table 1 Possible Course Sequencing for the Bachelor of Arts</i>, including 3 credit hours in each of a CRW course, a LS course and a QR course.</u>
<u>Semester 2</u> <u>(15 credit hours)</u>	<u>Follow <i>Table 1 Possible Course Sequencing for the Bachelor of Arts</i>, including 3 credit hours in each of a CRW course, a LS course in the same language as completed in Semester 1, and a QR course.</u>
<u>Semester 3</u> <u>(15 credit hours)</u>	<u>Courses #11-15 (15 credit hours):</u> <ul style="list-style-type: none"> <u>Consider Major and Minor program requirements, as appropriate (a Major in the iBA is available only in Anthropology, Archaeology, Classics, Economics, English, Folklore, French, Gender Studies, Geography, German, History, Linguistics, Philosophy, Political Science, Religious Studies, Russian, Sociology, Spanish).</u> <u>Choose a first course for <i>International Studies (IS) Requirement</i> from <i>Table 3 International Studies (IS) Designated Courses</i>, which may be eligible to jointly fulfill requirements of the Major or Minor program.</u> <u>Consider another LS course in a language not yet studied within the parameters of the <i>Additional Language Study (LS) Requirement</i>.</u>
<u>Semester 4</u> <u>(15 credit hours)</u>	<u>Courses #16-20 (15 credit hours):</u> <ul style="list-style-type: none"> <u>Consider Major and Minor program requirements.</u> <u>Choose a further 3 credit hours in an IS course.</u> <u>Consider a fourth LS course to fulfill the <i>Additional Language Study (LS) Requirement</i>, ensuring a maximum of 6 credit hours in languages not actively spoken.</u> <u>Attend an information session about options available for the <i>International Experience Requirement</i> or the <i>International Internship Option</i>, or speak with an academic advisor.</u>
<u>Semesters 5-8</u> <u>(60 credit hours)</u>	<u>Follow <i>Table 4 Possible Course Sequencing for the iBA, International Study Option (final 60 credit hours)</i>. Alternatively, subject to admission to the <i>International Internship Option</i>, follow <i>Table 5 Possible Course Sequencing for the iBA, International Internship Option (final 60 credit hours)</i>.</u>

Note: Eligible Quantitative Reasoning courses offered at the 3000-level are normally completed after the first 45 credit hours.

5.4.3 International Studies (IS) Courses Requirement

- Select courses that are offered by the Faculty of Humanities and Social Sciences are designated in *12 Course Descriptions* as International Studies (IS). For the purposes of course designation, “international” refers to worldwide processes, institutions and peoples in today’s global society. It does not refer to the study of a

International Bachelor of Arts (iBA) Degree Program (cont'd)

country, a multi-country region, or comparisons of countries or nations. For further information, refer to the International Studies course guidelines at www.mun.ca/hss/IS

2. Students must complete a minimum of 24 credit hours in designated IS courses listed in *Table 3 International Studies (IS) Designated Courses* from a minimum of 5 disciplines, of which at least 6 credit hours must be at the 4000-level. Disciplines that offer designated IS courses include Anthropology, Economics, English, Folklore, French, Gender Studies, Geography, History, Political Science, Religious Studies, Sociology. As part of their course selections in other areas of the degree, students are encouraged to supplement the International Studies Courses Requirement with the study of related concepts, traditions and phenomena across a variety of disciplines.
3. Up to 3 credit hours in an Honours essay course that clearly encompasses the International Studies course criteria may, upon the recommendation of the Head of Department and approval by the Committee on Undergraduate Studies, be deemed eligible as an IS course for the purposes of that individual student's program, only.

Table 3 International Studies (IS) Designated Courses

<u>2000-level</u>	<u>3000-level</u>	<u>4000-level (minimum 6 credit hours)</u>
<u>Anthropology 2412, 2413</u> <u>English 2122</u> <u>Folklore 2500</u> <u>Geography 2001, 2102, 2302</u> <u>History 2065, 2500, 2510, 2800</u> <u>Political Science 2200</u> <u>Sociology 2250</u>	<u>Anthropology 3200, 3083, 3260, 3409</u> <u>Economics 3030, 3150</u> <u>English 3160</u> <u>Folklore 3100, 3250, 3360</u> <u>French 3654</u> <u>Gender Studies 3008, 3025</u> <u>Geography 3420, 3510, 3620, 3800</u> <u>History 3030, 3765, 3807</u> <u>Political Science 3210, 3220, 3250, 3260, 3290</u> <u>Sociology 3260</u>	<u>Anthropology 4415, 4416</u> <u>Economics 4030, 4031</u> <u>Folklore 4470</u> <u>Folklore/Religious Studies 4460</u> <u>Geography 4300</u> <u>History 4419, 4421</u> <u>Political Science 4210, 4215, 4230, 4255, 4290</u> <u>Sociology 4093, 4230</u>

5.4.4 Additional Language Study (LS) Requirement

1. The study of a variety of world languages and cultures is an important component of international study. An iBA student shall complete 12 credit hours in Language Study (LS) courses as follows:
 1. 6 credit hours in university-level study of a single language to satisfy the Language Study Requirement; and,

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2. 6 additional credit hours in any LS courses, ensuring that no more than 6 credit hours used towards fulfilling the Additional Language Study Requirement are completed in languages that are not actively spoken, including those eligible towards the Certificate in Ancient Languages (e.g., Ancient Greek, Latin, Sanskrit).
2. A student who completes university-level study of language at another institution may apply for LS transfer credit, including the study of a language not taught at Memorial University for which unspecified LS credit hours may be awarded.
3. A student whose first language is not English, who does not meet the standards for entry into regular first-year English courses, and who uses English 1020 and 1021 to satisfy the Language Study requirement is required to complete 6 credit hours in LS courses to satisfy the Additional Language Study Requirement.

5.4.5 International Experience Requirement

Studying or working outside of Canada provides an opportunity for students to immerse themselves in the culture, politics and society of another country. During the program of study and while residing outside of Canada, a student for the iBA degree is required to complete either university-level study (INTL 399L) or an approved international internship (INTL 399W). The International Experience Requirement will normally be completed prior to the final semester of the iBA program so that a student may build on the learning experience in remaining courses.

5.4.5.1 Student Responsibilities

1. Careful course planning is essential for a student enrolled in the iBA program. Students are encouraged to consult with an academic advisor and international exchange coordinator.
2. A student will normally have completed at least 60 credit hours with a minimum 70% average, including a minimum of 6 credit hours in designated LS courses and 12 credit hours in designated IS courses, prior to commencement of study outside of Canada.
3. Students must thoroughly research and comply with visa requirements of the country they intend to visit. Visa processing times and requirements may vary depending on the student's nationality, the international experience location, and the nature of the visit.
4. It is assumed that, by virtue of studying at Memorial University, a student who is not a Canadian citizen has international experience; equally, many Canadian citizens will have acquired international experiences for diverse reasons. Notwithstanding their prior experiences or home country, all students must satisfy either the

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International Study Option or the International Internship Option while actively enrolled in the iBA program.

5.4.5.2 International Study Option

1. The International Study Option is designed for students who have completed 60 credit hours or more. In consultation with an academic advisor, a student is encouraged to follow *Table 4 Possible Course Sequencing for the iBA, International Study Option (final 60 credit hours)*.
2. Between their first registration at Memorial University of Newfoundland and the time of their graduation, a student will complete courses in an approved international study program, or complete an international exchange semester at one of Memorial University of Newfoundland's approved partner institutes. These courses will require residency outside of Canada and are normally to be completed in 12 consecutive weeks.
3. Information about study abroad programs offered by Memorial University is available at *Study Abroad (Harlow Campus and International Field Schools)* and from the Office of the Dean of Humanities and Social Sciences. [note: see iBA proposal #5 for this proposed heading]
4. Students must register for INTL 399L (International Study Program) during the international study program. Completion of this non-credit hour course will designate fulfillment of the International Study Option.
5. Alternatively, and normally with prior written approval from the Head of Department, a student may complete a minimum of 9 credit hours instruction in another university-level program requiring study while residing outside of Canada. Before leaving Canada, the student must research the course offerings at the proposed host institute and obtain the course syllabi. These must be submitted along with a Letter of Permission (https://www.mun.ca/regoff/admission/Letter_of_Permission.pdf) to the Office of the Registrar. The transferability of the courses will be determined before the student commences the international program of study. Upon completion of the program, the student must request that the host institute send the student's transcripts directly to the Office of the Registrar in order for the transcripts to be deemed official. The student must provide complete information about the program and complete an *Application for Transfer Credit Evaluation*. Documentation must establish that the course(s) was completed while the student was residing outside of Canada, normally for a minimum 12 week duration. If the transfer credits occur within the final 30 credit hours for the degree, an iBA student will not require a waiver of the University residence requirement.

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provided that all other requirements and University regulations are observed, and provided that courses were taken at university-level institutions which are included in formal institutional exchange agreements with this University and are not subject to the requirements of this residency requirement clause; or with special permission from the department Head. For more information regarding transfer of credit, the student should consult with the Faculty's International Exchange Coordinator or the Registrar's Office.

6. Courses and programs that do not require residency outside of Canada for a minimum 12 week duration are ineligible for the International Study Option.

Table 4 Possible Course Sequencing for the iBA, International Study Option (final 60 credit hours)

<u>Semester</u>	<u>Suggested Course Planning</u>
<u>Semesters 1-4 (60 credit hours)</u>	<u>Follow Table 2 Possible course sequencing for the iBA (first 60 credit hours), including attending an information session about <i>International Experience Requirement</i>.</u>
<u>Semesters 5-6 (30 credit hours)</u>	<u>Courses #21-30 (30 credit hours):</u> <ul style="list-style-type: none"> • <u>While registered for INTL 399L, complete credit hours as part of an approved international study program, or as part of an international exchange semester at an approved partner institute, requiring residency outside of Canada (normally for 12 consecutive weeks).</u> • <u>Consider Major and Minor program requirements.</u> • <u>Choose 12 credit hours in IS courses, comprised of 3 credit hours in each of four different disciplines.</u> • <u>Request a degree audit from the Office of the Registrar and consult an academic advisor for assistance with remaining course selections.</u>
<u>Semesters 7-8 (final 30 credit hours)</u>	<u>Courses #31-40 (30 credit hours):</u> <ul style="list-style-type: none"> • <u>Choose 6 credit hours in IS courses at the 4000-level towards completing the remaining credit hours required for the <i>International Studies (IS) Requirement</i>, ensuring that IS courses have been completed in a minimum of 5 disciplines.</u> • <u>Complete remaining requirements for the degree, including the Major and Minor.</u>

5.4.5.3 International Internship Option

1. In lieu of the International Study Option, a small number of internship placements outside of Canada may be available for eligible students during the Fall or Winter semesters. The purpose is to provide a structured work-integrated educational experience that supports the development of intercultural competencies and global citizenship. The educational experience will be completed between a student's first registration at Memorial University of Newfoundland and the time of their graduation, normally prior to the final semester of the iBA program. The internship should build

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- on a student's prior coursework, education, employment and personal experiences to allow the student to experience workplace culture in a location outside of Canada.
2. Admission to the International Internship Option is limited and competitive, and is available only to full-time students in the iBA program. In consultation with an academic advisor, an admitted student is encouraged to follow *Table 5 Possible Course Sequencing for the iBA, International Internship Option (final 60 credit hours)*.
 3. Co-operative Education is responsible for administering the International Internship Option, in consultation with the Head of the student's declared Major(s) and the Office of the Dean of Humanities and Social Sciences as applicable,
 4. A student must apply to Co-operative Education at least eight months before commencing work for the internship.
 5. A student will normally have completed at least 60 credit hours, including a minimum of 12 credit hours with a minimum 70% average in designated IS courses and a minimum of 6 credit hours in designated LS courses, prior to commencement of the internship outside of Canada.
 6. General management of the International Internship Option is the responsibility of Co-operative Education, which provides supports to accepted students, including job search preparation, counselling, monitoring during work assignments and evaluating internships. These supports are available exclusively in preparation for a Fall semester internship or Winter semester internship.
 7. A student must participate in professional development and debriefing sessions offered by Co-operative Education before and after the placement.
 8. As part of admission to the International Internship Option, a student is responsible for identifying and securing a prospective internship to be completed during the program of study. Internships must be full-time (normally paid) and must be at least 12 weeks duration within the dates for Fall or Winter semesters specified in the University Diary. Students are strongly advised to complete all arrangements and secure approval before travelling internationally. All internships must be approved in writing by Co-operative Education, in consultation with the Head of the relevant academic unit, before the first day of the internship.
 9. Students must register for University 399W (International Internship) during the approved internship. Students are required to complete the internship reporting requirements as set out by Co-operative Education. Completion of INTL 399W will designate fulfillment of the International Internship Option. The evaluation of

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- the internship by Co-operative Education will result in one of the following grades being awarded: pass with distinction, pass, or fail.
10. Regardless of the location of an international internship, the employer must have sufficient command of the English language to communicate with Co-operative Education personnel.
 11. Students who drop INTL 399W without approval from Co-operative Education or who fail to honour an agreement to work with an employer, or conduct themselves in a manner which results in their discharge from the internship, will normally be awarded a grade of fail for INTL 399W and will not be eligible to re-apply to the International Internship Option.
 12. A student who completes an equivalent internship position outside of Canada as part of another university-level academic program should contact Co-operative Education and the Office of the Registrar about the possibility of receiving INTL 399W as transfer credit.
 13. In extenuating circumstances, duly authenticated, a student may apply for permission from the Committee on Undergraduate Studies to self-initiate and complete a work placement during the Fall or Winter semester within Canada involving an equivalent immersion in international cultures. As per 9.3 Other Regulations, a detailed rationale for the request must be made in writing to the Secretary of the Committee of Undergraduate Studies, Faculty of Humanities and Social Sciences, c/o The Office of the Registrar. Prior to doing so a student is expected to meet with Co-operative Education to discuss requirements associated with the proposed equivalency placement.

Table 5: Possible Course Sequencing for the iBA, International Internship Option (final 60 credit hours)

<u>Semester</u>	<u>Suggested Course Planning</u>
<u>Semesters 1-4 (60 credit hours)</u>	<u>Follow Table 2 Possible course sequencing for the iBA (first 60 credit hours), including attending an information session about <i>International Internship Option</i>.</u>
<u>Semesters 5-6 (30 credit hours)</u>	<u>Courses #21-30 (30 credit hours):</u> <ul style="list-style-type: none"> • <u>Consider Major and Minor program requirements.</u> • <u>Choose 12 credit hours in IS courses, comprised of 3 credit hours in each of four different disciplines.</u> • <u>Request a degree audit from the Office of the Registrar and consult an academic advisor for assistance with remaining course selections.</u> • <u>Apply to Co-operative Education for entry into the <i>International Internship Option</i> at least eight months before commencing work for the internship.</u>
<u>Semester 7 (15 credit hours)</u>	<u>Courses #31-35 (15 credit hours):</u> <ul style="list-style-type: none"> • <u>Choose 3 credit hours in an IS course at the 4000-level.</u> • <u>Consider requirements for the Major and Minor.</u>
<u>Semester 8 (Fall or</u>	<u>Course #36: (3 credit hours): INTL 399W while completing an</u>

Winter) (3 credit hours)	approved internship outside of Canada.
Semester 9 (final 12 credit hours)	<p>Courses #37-40 (12 credit hours):</p> <ul style="list-style-type: none"> Choose 3 credit hours in an IS course at the 4000-level towards completing the remaining credit hours required for the <i>International Studies (IS) Requirement</i>, ensuring that IS courses have been completed in a minimum of 5 disciplines. Complete remaining requirements for the degree, including the Major and Minor.

5.4.6 iBA as a Second Degree

Students who have been previously awarded a General Degree of Bachelor of Arts or a Bachelor of Arts Honours degree are ineligible to complete an iBA degree.

5.4.7 Previous Calendar Regulations

An iBA student who, prior to September 2017, completed an eligible course that subsequently received the IS designation may use up to 15 credit hours towards the International Studies (IS) Courses Requirement. Eligible courses completed before September 2017 are limited to Anthropology 2412, 2413, 4416; Anthropology/Sociology 3260; Economics 3030, 4030, 4031; Folklore 3250, 4470; Geography 2102, 3510, 3800, 4300; History 2500, 2510, 2800, 3030; French 3654; Political Science 2200, 3210, 3220, 3250, 3290, 4215, 4230, 4255; Sociology 2250, 4230, 4093. Normal requirements for credit hours from five disciplines and for 4000-level credit hours continue to apply.”

Page 277, 2016-2017 Calendar, under the heading 5.1 Bachelor of Arts General Degree Components, amend the calendar entry as follows:

“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* including a minimum 60% average, or alternatively an *Honours Program* including a grade of 70% or better;
 - c. a *Minor Program* including a minimum 60% average, or alternatively a second major including a minimum 60% average;
 - d. *Electives*.
3. A student completing a degree program in the Faculty of Humanities and Social Sciences will normally ~~will~~ follow the degree regulations in effect in the academic year in which the

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student first completes ~~credit hours~~ a course(s) at Memorial University of Newfoundland. However, a student may elect to follow subsequent regulations introduced during the student's tenure in the program. In accordance with *UNIVERSITY REGULATIONS - Degree and Departmental Regulations, Year of Degree and Departmental Regulations - Faculty of Humanities and Social Sciences and Faculty of Science*, when changes occur to a Major, Minor, or Honours program, students who had completed a 2000-level course or above in that program will follow the regulations that were in effect at that time, or may choose to follow the revised regulations for that program."

Page 282, 2016-2017 Calendar, under the heading 5.3 Bachelor of Arts (Honours) Degree Regulations, amend the calendar entry as follows:

"5.3 Bachelor of Arts (Honours) Degree and iBA (Honours) Regulations

1. A program is offered leading to the Honours Degree of Bachelor of Arts and the Honours Degree of International Bachelor of Arts. An Honours degree requires, over and above the requirements of the *General Degree* or the iBA, a concentration at..."

Page 282, 2016-2017 Calendar, under the heading 5.3.1 Admission and Registration, amend the calendar entry as follows:

"5.3.1 Admission and Registration

3. A student who has been awarded the General Degree of Bachelor of Arts may convert it to an Honours Degree of Bachelor of Arts by applying to the department of specialization and the Registrar and, upon approval of such application by the Department, completing the requirements for the Honours degree as set forth in the regulations. Similarly, a student who has been awarded the General Degree of International Bachelor of Arts may convert it to an Honours Degree of International Bachelor of Arts by following the same process."

Page 282, 2016-2017 Calendar, under the heading 5.3.2 Subjects of Specialization, amend the calendar entry as follows:

"5.3.2 Subjects of Specialization

Subjects which may be chosen as Subjects of Specialization for the Honours Degree of the Bachelor of Arts or the Honours Degree of the iBA are the following:"

Page 282, 2016-2017 Calendar, under the heading 5.3.3 Course Requirements, amend the calendar entry as follows:

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“5.3.3 Course Requirements

A student for the Honours Degree of Bachelor of Arts or the Honours Degree of the iBA shall complete a program of studies that shall consist of not fewer than 120 credit hours subject to the following regulations:”

Page 298, 2016-2017 Calendar, following the section 11.1.4 Regulations for Joint Honours, Anthropology and Another Major Subject, insert the new calendar entry as follows:

“11.1.5 Regulations for International Bachelor of Arts (Anthropology)
In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Anthropology, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Anthropology to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider Table 2 Possible Course Sequencing for the iBA (first 60 credit hours), and to consider Anthropology courses listed in Table 3 International Studies (IS) Designated Courses. Up to 12 credit hours in Anthropology IS courses may be used towards the International Studies (IS) Courses Requirement.”

Page 302, 2016-2017 Calendar, following the section 11.2.7.4 Registration and Evaluation of Performance, insert the new calendar entry as follows:

“11.2.8 Regulations for International Bachelor of Arts (Archaeology)
In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Archaeology, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Archaeology to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.”

Page 303, 2016-2017 Calendar, following the section 11.3.4.2 Joint Honours in Classics, insert the new calendar entry as follows:

“11.3.5. Regulations for International Bachelor of Arts (Classics)
In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Classics, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a

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student may use eligible credit hours in Classics to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider *Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.*"

Page 307, 2016-2017 Calendar, following the section 11.5.9.4 Registration and Evaluation of Performance, insert the new calendar entry as follows:

"11.5.10 Regulations for International Bachelor of Arts (Economics)
In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Economics, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Economics to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider Economics courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to 12 credit hours in Economics IS courses may be used towards the *International Studies (IS) Courses Requirement.*"

Page 312, 2016-2017 Calendar, following the section 11.6.5.5 Previous Calendar Regulations, insert the new calendar entry as follows:

"11.6.6 Regulations for International Bachelor of Arts (English)
In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in English, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in English to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider English courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to 12 credit hours in English IS courses may be used towards the *International Studies (IS) Courses Requirement.*"

Page 314, 2016-2017 Calendar, following the section 11.8.6 Joint Honours in Folklore and Another Major Discipline, insert the new calendar entry as follows:

"11.8.7 Regulations for International Bachelor of Arts (Folklore)

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In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Folklore, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Folklore to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider Folklore courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to 12 credit hours in Folklore IS courses may be used towards the *International Studies (IS) Courses Requirement*.”

Page 323, 2016-2017 Calendar, following the section 11.10.5 Elective Courses, insert the new calendar entry as follows:

“11.10.6 Regulations for International Bachelor of Arts (Gender Studies)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Major or Minor in Gender Studies, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Gender Studies to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider Gender Studies courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to 12 credit hours in Gender Studies IS courses may be used towards the *International Studies (IS) Courses Requirement*.”

Page 324, 2016-2017 Calendar, following the section 11.11.6 Joint Programs, insert the new calendar entry as follows and renumber subsequent sections:

“11.11.7 Regulations for International Bachelor of Arts (Geography)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Geography, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Geography to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider Geography courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to

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12 credit hours in Geography IS courses may be used towards the International Studies (IS) Courses Requirement.

11.11.7 11.11.8 Focus Area in Geography – Bachelor of Education (Primary/Elementary)

11.11.8 11.11.9 Diploma in Geographic Information Sciences”

Page 327, 2016-2017 Calendar, following the section 11.13.4 Honours Degree, insert the new calendar entry as follows:

“11.13.5 Regulations for International Bachelor of Arts (History)

In addition to completing the normal requirements for a Bachelor of Arts and one of an Honours, Major or Minor in History, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in History to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider Table 2 Possible Course Sequencing for the iBA (first 60 credit hours), and to consider History courses listed in Table 3 International Studies (IS) Designated Courses. Up to 12 credit hours in History IS courses may be used towards the International Studies (IS) Courses Requirement.”

Page 329, 2016-2017 Calendar, following the section 11.14.5 Honours in Linguistics, insert the new calendar entry as follows:

“11.14.6 Regulations for International Bachelor of Arts (Linguistics)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Linguistics, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Linguistics to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.”

Page 329, 2016-2017 Calendar, following the section 11.15 Mathematics and Statistics, insert the new calendar entry as follows and renumber subsequent sections accordingly:

“11.16 Modern Languages, Literatures and Cultures

11.16.1 Regulations for International Bachelor of Arts (French)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in French,

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students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in French to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider Table 2 Possible Course Sequencing for the iBA (first 60 credit hours), and to consider French courses listed in Table 3 International Studies (IS) Designated Courses. Up to 12 credit hours in French IS courses may be used towards the International Studies (IS) Courses Requirement.

11.16.2 Regulations for International Bachelor of Arts (German)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in German, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in German to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.

11.16.3 Regulations for International Bachelor of Arts (Russian)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Russian, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Russian to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.

11.16.4 Regulations for International Bachelor of Arts (Spanish)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Spanish, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Spanish to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.”

Page 331, 2016-2017 Calendar, following the renumbered section 11.18.5 Honours Program, insert the new calendar entry as follows and renumber subsequent sections:

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“11.18.6 Regulations for International Bachelor of Arts (Philosophy)

In addition to completing the normal requirements for a Bachelor of Arts and one of an Honours, Major or Minor in Philosophy, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Philosophy to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program and to consider *Table 1 Possible Course Sequencing for the First 45 credit hours of the Bachelor of Arts.*

~~11.18.6~~ 11.18.7 Major and Minor in Medieval Studies”

Page 339, 2016-2017 Calendar, following the renumbered section 11.19.8 Minor in Political Science, insert the new calendar entry as following and renumber subsequent sections:

“11.19.9 Regulations for International Bachelor of Arts (Political Science)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Political Science, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Political Science to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider *Table 2 Possible Course Sequencing for the iBA (first 60 credit hours)*, and to consider Political Science courses listed in *Table 3 International Studies (IS) Designated Courses*. Up to 12 credit hours in Political Science IS courses may be used towards the *International Studies (IS) Courses Requirement*.

~~11.19.9~~ 11.19.10 Major and Minor in Law and Society”

Page 342, 2016-2017 Calendar, following the renumbered section 11.21.6 Joint Honours Degree in Religious Studies and Another Major Subject, insert the new calendar entry as follows:

“11.20.7 Regulations for International Bachelor of Arts (Religious Studies)

In addition to completing the normal requirements for a Bachelor of Arts and one of a Joint Honours, Honours, Major or Minor in Religious Studies, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Religious Studies to jointly satisfy other requirements of the iBA degree. When

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selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider Table 2 Possible Course Sequencing for the iBA (first 60 credit hours), and to consider Religious Studies courses listed in Table 3 International Studies (IS) Designated Courses. Up to 12 credit hours in Religious Studies IS courses may be used towards the International Studies (IS) Courses Requirement.”

Page 343, 2016-2017 Calendar, following the renumbered section 11.22.6 Honours in Sociology, insert the new calendar entry as follows and renumber subsequent sections:

“11.22.7 Regulations for International Bachelor of Arts (Sociology)

In addition to completing the normal requirements for a Bachelor of Arts and one of an Honours, Major or Minor in Sociology, students may elect to complete requirements for the International Bachelor of Arts (iBA). As part of the minimum 120 credit hours, a student may use eligible credit hours in Sociology to jointly satisfy other requirements of the iBA degree. When selecting courses, a student is encouraged to consult with an academic advisor early in the program, to consider Table 2 Possible Course Sequencing for the iBA (first 60 credit hours), and to consider Sociology courses listed in Table 3 International Studies (IS) Designated Courses. Up to 12 credit hours in Sociology IS courses may be used towards the International Studies (IS) Courses Requirement.

~~11.22.7~~ 11.22.8 Major in Police Studies”

Page 345, 2016-2017 Calendar, under the heading 12.1 Anthropology, amend the calendar entry as follows:

“12.1 Anthropology

2412 Threatened Peoples is an examination of key social and cultural factors involved in the global extinction of small-scale societies; the intrusive influences that jeopardize small-scale societies, such as disease; economic and military incursion; the role of international non-governmental agencies in aid of threatened peoples; and the role of the anthropologist in this human crisis. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

2413 ~~Culture in a Globalized World~~ Culture, Society and Globalization explores the way in which social, cultural, economic and political interconnections at the global level interact with local social and cultural processes. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

ABBREVIATED COURSE TITLE: Culture, Soc & Globalization

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3083 Global Environmental Crises examines the social, cultural, and economic forces that have contributed to rapid resource depletion and other environmental changes during from the 20th century to present, and looks at how the impacts of these changes have been experienced ~~in~~ different parts of around the world. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3260 International Development (same as Sociology 3260) is an examination of theories of development including a critical analysis of international case studies. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS
CR: Sociology 3260, the former Sociology/Anthropology 3260

~~3409 War, Violence and Society and Globalization~~ provides students with a comprehensive understanding of the issues and problems entailed in the anthropological analysis of war and violence. Key topics include: the relationships between war and globalization, political violence and culture, and militarization and social memory. examines selected wars of the late 20th and 21st centuries to understand how war, political violence and the repartitioning of the world have become intrinsic features of the current era of globalization. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

~~4200~~ 3200 Anthropology of the Global Economy of Economic Processes explores the way in which anthropologists have studied the inter-linkages among economic, social and cultural processes. Topics covered include key concepts (e.g., gifts and commodities, exchange relationships) and debates (e.g., formalist versus substantivist) in economic anthropology, and the way in which different societies and social groups are integrated within global capitalist markets. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: The former ANTH 4200

ABBREVIATED COURSE TITLE: Anth of the Global Economy

~~4415 Anthropology of Labour and Global Capitalism~~ examines core issues and problems entailed in the anthropological analysis of work and labour in the context of the global economy. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

4416 Anthropology of Slums examines social class forces producing a planet of slums, and details ways that everyday forms of violence, social injustice, and poverty take social shape in the everyday lives of slum dwellers. Among the topics covered are: social class formations, including ghettos, favelas, and shanty towns; surplus populations and

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disposable peoples resulting from late capitalist globalization; and forms of resistance and struggle that arise within dispossessed populations. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

Page 352, 2016-2017 Calendar, under the heading 12.6 Economics, amend the calendar entry as follows:

“12.6 Economics

~~3030 International Economics – Issues and Problems in a Canadian Context is an intermediate course in international economics. The course covers the theory of comparative advantage, the structure and policy issues of the Canadian balance of payments, the foreign exchange market and the institutional aspects of international commerce.~~ is an intermediate course encompassing theories and empirical studies of global trade flows; the effects of trade barriers, and efforts at economic integration such as the North American Free Trade Agreement and the European Union; the Balance of Payments and its links to the foreign exchange markets; the importance of the exchange rate worldwide as a macroeconomic variable; and the causes and lessons of exchange rate crises. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: ECON 2010 and 2020

~~3150 Money and Banking examines the operation of the money and banking system. Topics include the core foundations of money and banking, and how they can be applied to the Canadian banking system and also to an international context, such as worldwide financial crises and the interaction of central banks globally. and selected issues that will vary each year. Selected topics and emphasis will vary from year to year so as to reflect the evolution of the Canadian banking system and the global financial system.~~

PR: ECON 2010 and 2020

~~4030 International Trade is pure theory of trade, commercial policy, price discrimination and cartels, commercial policy for developing countries and the customs union.~~ is an advanced course in the theory and empirical tests of international trade, strategic trade policy and economic integration, taking a general equilibrium approach, and dispute resolution under the rules of the World Trade Organization, and under the North American Free Trade Agreement. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: ECON 2550, 3000, 3010

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~~4031 International Monetary Problems is an advanced course in open economy macroeconomics covering balance of payments adjustment under fixed and flexible exchange rates; exchange rate movements and capital movements; the international monetary system; interdependence in the world economy.~~ is an advanced open economy international macroeconomics course covering the balance of payments, its links with the national accounts and foreign exchange markets; economic stabilization policies under flexible and fixed exchange rates; exchange rate determination; the open economy trilemma and its policy implications for the choice exchange regimes; international monetary problems in the context of the increasing globalization of financial markets and proposals for reform in the light of exchange rate crises. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS
PR: ECON 2550, 3000, 3010, 3030”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“12.7 English

2122 Introduction to World Literature in English addresses contemporary literature consciously pre-occupied with global cultural identities and practices. The writers studied address transnational issues such as migration, environmental and human rights, travel and tourism, and the legacies of European colonialism. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3160 Empire and After: Introduction to Post-Colonial Writing offers a broad overview of ~~writing~~ works which responds to the global phenomenon of British imperialism, and its persistent international consequences. Utilizing a cross-continental comparative frame, the course addresses the question: what happens when cultures collide? All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS”

Page 359, 2016-2017 Calendar, under the heading 12.9 Folklore, amend the calendar entry as follows:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“12.9 Folklore

2500 Oral Literature from Around the World (same as the former Anthropology 2500) focuses on the analysis of folk literature - narrative, poetry and song, drama, and speech from around the world - through textual, comparative and contextual methods. Special attention is given to traveling motifs that cross geographical boundaries and adapt to global contexts. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former Anthropology 2500, the former English 3400, the former FOLK 3400, the former Sociology/Anthropology 3400

ABBREVIATED COURSE TITLE: Oral Literature Around World

3100 Fictional Worlds: The Folktale is a study of fictional folk narratives told worldwide. Students may be asked to read, collect, and/or analyze folktales in order to highlight the significance and function of oral fictional folk narratives as they are performed and understood in various contexts worldwide. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former FOLK 4200

3250 Song Worlds: The Ballad examines traditional balladry (including subgenres such as tragic, comic, romantic, religious, and medieval ballads) in the contexts of global transmission, function, performance, and aesthetics. Differences in dealing with written literature and the literature of tradition will also be addressed. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former FOLK 4445

3360 Sex/Folklore/Power and Globalization is 1) an introduction to the many ways that sexual identities are displayed, developed, and categorized through informal and everyday cultural performances, i.e., folklore; 2) a study of how such performances in both local and international settings relate to various folklore genres, including folk language and narrative, music/song/ballad, material culture/space, and festival/ritual and continue to evolve through globalization; and 3) an examination of how social power structures are (de)constructed and negotiated through folk processes involving sexuality/sexual identities. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

ABBREVIATED COURSE TITLE: Sex/Folklore/Power & Global

4460 ~~Vernacular~~ Folk Religion (same as Religious Studies 4460) examines how established global religions and new forms of spirituality manifest themselves and are religion as it is “lived” on a daily basis in a

International Bachelor of Arts (iBA) Degree Program (cont'd)

variety of local contexts worldwide. It focuses focusing primarily on forms of belief and spirituality that are informally expressed. Drawing upon various cultural contexts, the course addresses such notions as space and time; metaphysical powers; religious material culture, music, and verbal art; and the role and power of the holy person. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: Religious Studies 4460, the former FOLK 4240

4470 Spaces and Places tackles the question of how globalization and modernity influence our attachments to locality, community, and region; how folklore has contributed to social constructions of place; how folklore is used to turn physical space into cultural place; how folklore must change to meet the needs of today's global and virtual worlds. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS"

Page 365, 2016-2017 Calendar, under the heading 12.11 Gender Studies, amend the calendar entry as follows:

"12.11 Gender Studies

~~4005~~ 3008 Feminist Practices and Global Change (same as the former WSTD 4005) examines, in considerable depth and detail, connections between feminist theories and activism for social and political change on a global scale. It examines how social movement activisms, including particularly in their transnational feminist forms, is are mobilized in different historical, cultural and ~~national~~ geographic contexts; and are increasingly defined by linkages between the local, regional and global/transnational. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former GNDR 4005, the former WSTD 4005

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

ABBREVIATED COURSE TITLE: Feminist Practices and Global Change

~~3025 Theories of Gender, Race and Post-Colonialism in Global Contexts~~ 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 international body of scholarship contributes to understandings of the roles of gender, race and sexuality in historical and ongoing colonial processes as global phenomena with diverse manifestations at the continental, regional and local levels. Special focus will be given to the legacies of British colonialism

International Bachelor of Arts (iBA) Degree Program (cont'd)

worldwide. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: 3 credit hours in Gender Studies at any level

ABBREVIATED COURSE TITLE: Gendr Race Post-Col & Global”

Page 365, 2016-2017 Calendar, under the heading 12.12 Geography, amend the calendar entry as follows:

“12.12 Geography

2001 Cultural Geography is an introduction to the study of culture in geography, emphasizing both the history of the field from classic studies of landscapes to contemporary scholarship and themes of recent importance. ~~These include the relationship between nature and culture; imperialism and colonialism; place, identity, and power; and global cultures of commodities, media, and tourism.~~ It explores the politics of cultural production and consumption; critical spaces of cultural production and consumption from around the world, including cities, landscapes, texts, media, performance, and identity; and concepts of everyday life, materiality, and space/place. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS.

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011

2102 Physical Geography: The Global Perspective is a study of form, process, and change in natural systems at and near the surface of Earth, viewed as human environment. Emphasis is on global and regional scales in the systematic study of climate, water, landforms and vegetation. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS and Quantitative Reasoning Course Guidelines available at www.mun.ca/arts/qr.

CR: the former GEOG 2100, the former GEOG 2101

LH: 3

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011, or permission of instructor

2302 Issues in Economic Geography covers ~~basic~~ issues and ideas in economic geography. ~~The development of a regional economy will be related to underlying economic, cultural and physical factors. The development of local, regional and global economies will be related to economic, cultural and resource factors at international scales.~~ All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS and Quantitative Reasoning Course Guidelines available at www.mun.ca/arts/qr.

International Bachelor of Arts (iBA) Degree Program (cont'd)

PR: GEOG 1050, or the former GEOG 1001, or the former GEOG 1011, or permission of instructor

3420 Globalization of Food examines the increasingly globalized nature of food consumption, production and trade. The course examines the positive and negative effects of globalization on the food system before exploring the proliferation of alternative food networks. These alternative food networks aim to re-localize and re-embed the food system and include organic food, fair trade, self provisioning, and animal welfare amongst many others. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: The former GEOG 3907

3510 Geography of the Seas is an introductory course in marine science and management treating the world's oceans as a global geographic unit. The course covers basic physical, geological and biological marine science and applications of basic science to management issues facing the oceans today. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: GEOG 2102 or GEOG 2425, or permission of instructor

~~3620 Migration and Colonization is a study of population movements associated with colonization and frontier development.~~ International Migration examines global population movements from a critical geographic perspective. This course applies a spatial lens to key topics surrounding migration, including labour and development; borders and immigration control, refugees and the politics of asylum; and citizenship, belonging, and place making. Students will develop skills in information seeking, critical judgment, and effective communication for a broad audience, in addition to gaining the knowledge base to navigate contemporary migration debates. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: GEOG 2001 or permission of instructor

3800 International Political Geography is a geographic study of political ideas and processes. The course will consist of a historical discussion of the origins and trajectory of geopolitics, from the beginning of the 20th century to contemporary uses. Key themes in political geography, including strategy and statecraft, decolonization and nationalism, global technologies, and environmental security will be discussed. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: GEOG 2001

ABBREVIATED COURSE TITLE: International Political Geog

International Bachelor of Arts (iBA) Degree Program (cont'd)

4300 World Fisheries: Current Discourse and Future Directions is a seminar course on the key concepts, principles and challenges in fisheries resources worldwide. Topics of discussion include the state of world fisheries, analysis of various management approaches and tools, and future scenarios for world fisheries. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS
PR: 6 credit hours in Geography at the 3000-level or permission of Head of Department. It is strongly recommended that GEOG 3222 and 3226 be completed before registration in 4000-level courses.”

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry as follows:

“12.16 History

2065 History of War and Society from 1789 to the Present (same as the former HIST 3060) ~~is an examination of those major developments which have affected the nature and conduct of warfare in the period since 1789, with particular emphasis on the evolution of military thinking, the impact of technology on organization and planning, the role of air power, the civil-military relationship, professionalism in the armed forces, and the changing nature of warfare, the emergence of total war, global war, guerrilla warfare, and limited warfare.~~
is a global examination of warfare, including its effect on society, culture, politics, economics, and military thinking, from the French Revolution to the more recent threat posed by revolutionary and fundamentalist terrorism. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former HIST 3060

2500 ~~The Twentieth Century I~~ Global History to 1945 is a study of the world-wide impact of the main events and developments in the age of global interdependence. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former HIST 3700

2510 ~~The Twentieth Century II~~ Global History since 1945 is an historical analysis of the main issues in the contemporary world since 1945. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former HIST 3710

2800 Indigenous Peoples and Colonialism is a comparative survey of Indigenous experiences with colonialism in a global context from the

International Bachelor of Arts (iBA) Degree Program (cont'd)

sixteenth century onwards. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3030 Environmental History examines ~~the history of~~ human relationships to the natural environment. The focus of the course is the global history of environmental changes caused by humans, and the influence of the natural environment on human cultures and societies. Case studies will focus on issues with broad relevance to contemporary environmental issues such as energy use, the environmental impact of military conflict, species introductions, natural disasters, urban sustainability, ecological restoration, and the origins of environmentalism. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3765 Gendered Indigenous History ~~—inactive course—~~ is a thematic examination of the complexities of gender and indigeneity from a global perspective, with particular emphasis on the gendered experiences of colonialism. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3807 World War I in Historical Perspective ~~takes a global approach to the history of the First World War, emphasizing events on the battlefield and the effects of war on various societies.~~ examines one of the most important events in twentieth-century world history, the First World War, and the war's global impact on economics, society, culture, politics, and warfare. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

4419 Marx and Marxism ~~introduces~~ uses a global perspective to examine Marxist thought as a product of revolutionary struggles. Emphasis will be on the nature of the historical circumstances and the concrete problems people faced. Each week there will be a critical examination of selected works produced by and through these struggles. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

~~PR: HIST 2310 or HIST 2350 or permission of the instructor~~

4421 Imperialism examines the global political, economic and cultural processes of modern ~~European and American~~ imperialism and its historical antecedents. Topics considered include empire building, colonial theory, and anti-imperial resistance. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

Page 377, 2016-2017 Calendar, following the section 12.21 Medieval Studies, insert the new calendar entry as follows and renumber subsequent sections:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“12.22 Modern Languages, Literatures And Cultures

FREN 3654 Francophone World studies the role, the diversity of the French language, its status as an international language and its challenges in the French-speaking world outside France and Canada. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS”

Page 379, 2016-2017 Calendar, under the heading 12.24 Political Science, amend the calendar entry as follows:

“12.24 Political Science

2200 Introduction to International Politics is an examination of the "building blocks" of international politics including determinants, means, processes and ends. Emphasis is on the post-1945 period. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3210 International Law is ~~an introduction to international law~~ concerned with the interaction of ~~the~~ international political and legal systems. Topics discussed are sources, agreements, membership, recognition, territory, jurisdiction, immunities, state responsibility, and force and war. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3220 International Organizations examines the origins, structures and roles of international organizations as both ‘arenas’ in which states pursue their interests and ‘evidence’ of an embryonic international society. The focus will be primarily on the workings of the United Nations, especially its ‘collective security’ function, and other regional security organizations. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3250 International Political Economy studies the interaction between world politics and international economics. Major theoretical debates regarding globalization and multinational corporations are covered, as well as current topics such as: the politics of the global monetary and financial order, international trade, foreign investment and debt, international development, and environmental issues. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3260 Global Food Politics examines the global governance of agriculture and food, and explores how new global actors, institutions and regulations shape the politics of food production, distribution, and

International Bachelor of Arts (iBA) Degree Program (cont'd)

consumption. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3290 Human Security examines political concepts and government policies related to international security contexts, such as the displacement of citizens, food supply issues, energy, information flows, war and/or the environment. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former POSC 3391

4210 Arms Control and Proliferation examines the evolution of arms control within the context of global security and international public policy. It ~~and~~ considers the consequences of success and failure. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: POSC 2200 and a POSC 32xx course, or the instructor's permission

4215 Human Rights and International Politics examines the evolution of global norms of human rights and consequences for the structures of the international system, international civil society, and the international political process. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: POSC 2200 and a POSC 32xx course, or the instructor's permission

4230 Theories of International Relations examines the major theories used to understand world politics and international conflict, such as constructivism, feminism, game theory, historical structuralism, liberalism, and realism. These are explored through classic readings in international relations and case studies. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: POSC 2200 and a POSC 32xx course, or the instructor's permission

4255 Controversies in Political Economy examines current political and public policy challenges from a political economy perspective. Topics may include globalization, major trade disputes, currency and debt crises, economic development and global environmental problems. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former POSC 4350

PR: POSC 2200 and a POSC 32xx course, or the instructor's permission"

Page 383, 2016-2017 Calendar, under the heading 12.25 Religious Studies, amend the calendar entry as follows:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“12.25 Religious Studies

4460 ~~Vernacular~~ Folk Religion (same as Folklore 4460) examines how established global religions and new forms of spirituality manifest themselves and are religion as it is “lived” on a daily basis in a variety of local contexts worldwide. It focuses focusing primarily on forms of belief and spirituality that are informally expressed. Drawing upon various cultural contexts, the course addresses such notions as space and time; metaphysical powers; religious material culture, music, and verbal art; and the role and power of the holy person. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: Folklore 4460, the former FOLK 4240”

Page 385, 2016-2017 Calendar, under the heading 12.27 Sociology, amend the calendar entry as follows:

“12.27 Sociology

2250 ~~Changing World~~ Global Social Problems is a sociological analysis of contemporary world issues and global social problems. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

3260 International Development (same as Anthropology 3260) is an examination of theories of development including a critical analysis of international case studies. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: Anthropology 3260, the former Sociology/Anthropology 3260

4230 Gender and Development is a seminar course focusing on theoretical and empirical explanations of how global development processes affect gender inequality and relations between men and women. The course provides students an understanding of how the theories, actors, and ongoing challenges of development interact with and work to shape socially constructed gender relations in a global perspective. Special attention is paid to how globalization influences gender in the international development context. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

CR: the former SOCI 4204

PR: SOCI 3040, 3150

International Bachelor of Arts (iBA) Degree Program (cont'd)

4093 Development Sociology is a seminar course focusing on theoretical and empirical explanations of development (eg. ~~International~~ 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. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

PR: 6 credit hours at the 3000-level in Sociology or in any other discipline in the Humanities or Social Sciences”

Page 295, 2016-2017 Calendar, under the heading 8.8 Certificate in Public Policy, amend the calendar entry as follows:

8.8 Certificate in Public Policy

Table 1 Approved Courses for the Concentration in Economic Policy

1000-level and 2000-level Courses	3000-level Courses
<ul style="list-style-type: none"> • Economics 2010 (required), 2020 (required) • Geography 2302 • Sociology 2110 	<ul style="list-style-type: none"> • Anthropology 3200, 3260/Sociology 3260 • Economics 3010, 3011, 3030, 3070, 3080, 3140 • Economics 3150, 3360, 3711 • Political Science 3250, 3650

Page 4, 2016-2017 Calendar, under the heading 4 Glossary of Terms Used in this Calendar, amend the calendar entry as follows:

“4 Glossary of Terms Used in this Calendar

Course number:

courses are designated by four characters. The first character signifies the level of the course. Where all four characters are numeric, the last three are used by academic units to indicate various information such as course sequence and area of study. Where the last character is alphabetic, the letter:

A or **B** identifies a linked course. No credits or points are given until the "B" part is completed.

C identifies an English course that does not carry credit towards a degree, diploma or certificate.

F identifies a foundation course that is intended to remedy a specific academic weakness and does not carry credit towards a degree, diploma or certificate.

L identifies a period of university-level learning involving residency outside of Canada, normally through the Faculty of Humanities and Social Sciences.

T identifies an undergraduate teaching internship offered by the Faculty of Education.

International Bachelor of Arts (iBA) Degree Program (cont'd)

W identifies a course in either a work term in a co-operative program or a special project in certain of the professional schools and faculties and may or may not be assigned credit hours.

X identifies a course which represents an entire semester's work and carries at least 15 credit hours."

Page 370, 2016-2017 Calendar, following the section 12.16 History, add the new calendar entry as follows and renumber subsequent sections:

"12.17 International

INTL 399L International Study Program is a non-credit hour designation that signifies completion of a Harlow Campus semester, a field school offered outside of Canada by Memorial University, or completion of another program of study requiring residency outside of Canada. The normal period of the residency outside of Canada is 12 weeks.

CH: 0

PR: Acceptance into an approved university-level study program located outside of Canada

CO: Enrollment in approved courses requiring residency outside of Canada (normally a minimum of 9 credit hours)

INTL 399W International Internship is a full-time work or voluntary experience for at least 12 weeks duration in a location outside of Canada. Students are expected to learn, develop and practice the high standards of behaviours and performance normally expected in the work environment. Students should have sufficient academic grounding in international concepts to contribute to the international workplace, to acquire intercultural competencies and to develop as global citizens.

CH: 3

LC: 0

CR: Any work term course (final character in the course number is "W")

PR: Enrollment in the iBA; minimum third-year standing; minimum 6 credit hours in Language Study (LS) courses; and 12 credit hours in designated International Studies (IS) courses with a minimum 70% average

Page 297, 2016-2017 Calendar, under the heading 10 Harlow Campus Semester and Field Schools, amend the calendar entry as follows:

"10 Study Abroad (Harlow Campus Semester and International Field Schools)

International Bachelor of Arts (iBA) Degree Program (cont'd)

The Faculty of Humanities and Social Sciences periodically offers programming instruction at the Harlow Campus, England and in specialized field school locations around the world. These provide students with the opportunity to study abroad combined with access to the expertise of Memorial University instructors. Classroom and learning experiences occur in a safe learning environment. Students are exposed to new surroundings, diverse cultures and languages, skills development, extracurricular trips and guest speakers in ways that are possible only by spending time in another locale. The ability to complete Memorial University courses elsewhere as part of a local cohort acts as an extension of campus learning, delivering exceptional value in terms of financial commitment, administration and peace of mind. Those who complete time abroad develop skills that help them prepare for today's global society, which increasingly involves travelling to unfamiliar locations, working in multicultural environments, adapting to new situations, and thinking creatively.

The content of the Harlow Campus and field school courses ~~programs~~ changes depending on the departments and instructors involved. Priority is normally given to delivering courses that are listed among the requirements required for a Major, Minor, Diploma and/or Certificate program. Students wishing to enrol ~~in a Harlow semester or a Faculty of Humanities and Social Sciences field school~~ must have completed 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 limited and competitive. The relevant admission criteria, as well as other information, may be obtained from the Office of the Dean of Humanities and Social Sciences and the participating department.

Harlow campus semester and field school courses are normally clearly identified in the course title and can be found among a department's course descriptions. In addition, other courses or portions thereof are from time to time delivered outside of Canada by a variety of faculty members in the Humanities and Social Sciences. For information about upcoming international courses, contact the Go Abroad Coordinator at [insert new website URL when available].

10.1 Harlow Campus Semester Courses

Courses delivered exclusively at Harlow Campus include:
Classics 3710-3729 Special Topics in Classics: Harlow
English 3710-3729 Special Topics in English: Harlow
Folklore 3710-3729 Special Topics in Folklore: Harlow
Gender Studies 3710-3720 Special Topics in Gender Studies: Harlow
Geography 3710-3729 Special Topics in Geography: Harlow

International Bachelor of Arts (iBA) Degree Program (cont'd)

History 3710-3729 (Excluding 3713, 3728) Special Topics in British History: Harlow

History 4360-4380 Special Topics in European History: Harlow

Medieval Studies 3710-3729 Special Topics in Medieval Studies: Harlow

Political Science 3980-3999 Special Topics in European Politics: Harlow

In addition, a number of courses listed *Course Descriptions* are periodically offered at the Harlow Campus. For further information, please contact the applicable department.

10.2 Field School Courses Delivered Outside of Canada

Field school courses delivered exclusively outside of Canada include:

French 3102 French Language Studies at Nice (I)

French 3103 French Language Studies at Nice (II)

French 3507 Advanced French Studies at Nice (I)

French 3508 Advanced French Studies at Nice (II)

German 2511 Intermediate Composition and Conversation II: Field School

German 3510 Advanced Composition and Culture: Field School

German 3511 Advanced Composition and Conversation: Field School

The Department of Modern Languages, Literatures and Cultures regularly offers a one-semester French immersion program in St-Pierre (July and Fall Frecker Programs) and periodically offers Russian language courses in Russia and Spanish language study abroad.

In addition, a number of courses listed *Course Descriptions* are periodically offered outside of Canada. For further information, please contact the applicable department.

10.3 International Exchanges

Memorial University offers international exchanges with approved partner institutes around the world. See <http://www.mun.ca/goabroad/study/exchangeagreements.php>

Page 297, 2016-2017 Calendar, before the section 11 Programs and Regulations, insert the new calendar entry as follows and renumber subsequent sections:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“11 Experiential Learning

The Faculty of Humanities and Social Sciences offers a number of experiential learning opportunities. Co-operative education degree programs feature full-time employment in positions related to the student's area of study. These positions are completed as part of work term courses that are reserved for full-time students enrolled in the program. Field school courses provide hands-on instructional experiences as part of a regular degree or diploma program. Internship courses feature a part-time work placement of short duration that is completed in conjunction with coursework and are otherwise treated as a regular course.

11.1 Co-operative Education Degree Programs

Major in Archaeology (Co-operative)
Honours in Archaeology (Co-operative)
Major in Economics (Co-operative) (B.A. or B.Sc.)
Honours in Economics (Co-operative) (B.A. or B.Sc.)
Honours in Political Science (Co-operative)
Major in Political Science (Co-operative)

For further information, contact Co-operative Education or the department.

11.2 Co-operative Education Work Term Courses

Archaeology 300W Work Term 1 (Co-operative)
Archaeology 400W Work Term 2 (Co-operative)
Economics 299W Work Term I
Economics 399W Work Term II
Economics 499W Work Term III
Political Science 260W Work Term 1
Political Science 360W Work Term 2
Political Science 460W Work Term 3

For further information, contact Co-operative Education or the department.

11.3 Field School Courses Normally Delivered Within Canada

Archaeology 3583 Archaeology Field School Orientation
Archaeology 3585-3586 Archaeology Field School
English 5000 Instructional Field Placement
Geography 3230 Field Course

For further information, contact the department or course instructor.

International Bachelor of Arts (iBA) Degree Program (cont'd)

11.4 Internship Courses Normally Delivered Within Canada

Political Science 4600 Public Policy Work Internship

Sociology 4100 Internship

For further information, contact the department or course instructor.”

Page 350, 2016-2017 Calendar, under the heading 13.4.2 Greek and Roman Studies, amend the calendar entry as follows:

“13.4.2 Greek and Roman Studies

3710-3729 Special Topics in Classics: Harlow is available only as part of the part of the Harlow Campus Semester.

PR: there is no prerequisite for this course but students are strongly advised to have completed at least one 1000- level or 2000-level Greek and Roman Studies course before registering in any 3000-level or higher Greek and Roman Studies course”

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“12.7 English

3710-3729 Special Topics in English: Harlow is available only as part of the Harlow Campus Semester.”

Page 349, 2016-2017 Calendar, under the heading 12.9 Folklore, amend the calendar entry as follows:

“12.9 Folklore

3710-3729 Special Topics in Folklore: Harlow is available only as part of the Harlow Campus Semester.”

Page 365, 2016-2017 Calendar, under the heading 12.11 Gender Studies, amend the calendar entry as follows:

“12.11 Gender Studies

3710-3720 Special Topics in Gender Studies: Harlow (same as the former WSTD 3710-3720) are available only as part of the Harlow Campus Semester.

CR: the former WSTD 3710-3720”

Page 365, 2016-2017 Calendar, under the heading 12.12 Geography, amend the calendar entry as follows:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“12.12 Geography

3710-3729 Special Topics in Geography: Harlow will have topics to be studied announced by the Department.

PR: available only as part of the Harlow Campus Semester”

Page 368, 2016-2017 Calendar, under the heading 12.13 German, amend the calendar entry as follows:

“12.13 German

2511 Intermediate Composition and Conversation II: Field School is a continuation of Intermediate Composition and Conversation I.

OR: includes a 4- week field school in Germany in August, which lengthens the time frame for the course by approximately two weeks

PR: GERM 1001 and consent of the Head of the Department

3510 Advanced Composition and Culture: Field School aims to increase accuracy and fluency in written and spoken German with emphasis on culture. All sections of this course follow the Language Study Course Guidelines available at www.mun.ca/hss/lc.

OR: includes a 4- week field school in Germany in August, which lengthens the time frame for the course by approximately two weeks

PR: GERM 1001 and consent of the Head of the Department

3511 Advanced Composition and Conversation: Field School aims to increase accuracy and fluency in written and spoken German with emphasis on grammar review. All sections of this course follow the Language Study Course Guidelines available at www.mun.ca/hss/lc.

OR: includes a four week field school in Germany in August, which lengthens the time frame for the course by approximately two weeks

PR: GERM 1001 and consent of the Head of the Department”

Page 370, 2016-2017 Calendar, under the heading 12.16 History, amend the calendar entry to read as follows:

“12.16 History

3710-3729 (Excluding 3713, 3728) Special Topics in British History: Harlow are available only as part of the Harlow Campus Semester.

4360-4380 Special Topics in European History: Harlow are available only as part of the Harlow Campus Semester.”

Page 377, 2016-2017 Calendar, under the heading 12.22.7 Medieval Studies, amend the calendar entry as follows:

International Bachelor of Arts (iBA) Degree Program (cont'd)

“12.22.7 Medieval Studies

3710-3729 Special Topics in Medieval Studies: Harlow is available only as part of the Harlow Campus Semester.”

Page 379, 2016-2017 Calendar, under the heading 12.24 Political Science, amend the calendar entry as follows:

“12.24 Political Science

3980-3999 Special Topics in European Politics: Harlow is offered only at the Harlow (England) Campus and explore selected facets of the politics of contemporary Europe. Typical themes include the European Union and its member-states, asylum and immigration, social and economic policy, foreign policy and the position of Europe in the international system. For further information about the Harlow semester consult the Department or the Faculty of Humanities and Social Sciences.

CR: credit restrictions will be designated on a course-by-course basis”

62.8 Faculty of Education

It was moved by Professor Walsh, seconded by Dr. Anderson, and carried that on page 105, 2016-2017 Calendar, under the heading 7 Description of Programs, amend the calendar entry as follows:

“7 Description of Programs

The admission/readmission regulations and the program regulations for each degree and diploma program listed below can be found at **Admission/Readmission Regulations for the Faculty of Education** and the **Program Regulations**, respectively. All courses of the Faculty are designated by ED.

Important Notice

The Bachelor of Education (Native and Northern) program is no longer available for admission. Students previously admitted to the Bachelor of Education (Native and Northern) program and in good standing, must complete all program requirements by December 31, 2019. Students must follow the Calendar regulations for the Academic year in which they were admitted. Memorial University of Newfoundland Calendars by Academic year can be viewed at www.mun.ca/regoff/calendar.php. Students are advised to contact the Office of Undergraduate Programs, Faculty of Education at (709) 864-3403 or via email at muneduc@mun.ca, for course selection and planning.

Page 105, 2016-2017 Calendar, under the heading 7.1 General Degree Programs, amend the calendar entry as follows:

Faculty of Education (cont'd)

7.1 General Degree Programs

The Faculty of Education offers ~~ten~~ nine general degrees and ~~two~~ one diploma programs.

1. The **Bachelor of Education (Intermediate/Secondary)** is a second degree program designed to prepare teachers of grades 7-12. The program is offered in a three semester (12 month), full-time format, and commences in the Fall semester of each year.
2. The **Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education** is a program designed to prepare both Intermediate/Secondary and Technology Education teachers. The program is offered in a four semester (16 month), full-time format and commences in the Spring of each year. A student in the program will complete courses that address the development of basic skills and competencies in a variety of technological areas and how to apply them through design and problem solving processes in a school classroom/laboratory setting.
- ~~3. The **Bachelor of Education (Native and Northern)** is a teacher education program designed for Aboriginal students in Labrador who intend to pursue a teaching career in the communities of northern Labrador. It would be of particular interest to a student who wishes to continue his/her studies beyond the **Diploma in Native and Northern Education (T.E.P.L.)**. This program is currently under review and is not available for admission at this time.~~
- 4.3. 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.
- 5.4. 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

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advised that a course load of 15 credit hours may not be available each semester.

6.5 The **Bachelor of Education (Primary/Elementary) as a First Degree** is a full-time, 150 credit hour degree program designed to prepare teachers for kindergarten through grade six. With the appropriate academic planning, a student can commence this Education program in the Fall semester of the third year of studies. A **French Immersion Option** is available in this program.

7.6. The **Bachelor of Education (Primary/Elementary) as a Second Degree** is a 72 credit hour program offered at the St. John's and Grenfell Campuses and is intended for students who have completed an appropriate Bachelor's degree. This program is offered in a four semester (16 month), full-time format and commences in the Spring semester of each year. A **French Immersion Option** is available at the St. John's Campus only.

8.7. The **Bachelor of Music Conjoint with Bachelor of Music Education** is a 150 credit hour, five-year conjoint degree program offered in partnership with the School of Music. This program is designed for the preparation of K-12 music teachers, and other professionals in positions related to music education.

9.8. The **Bachelor of Music Education as a Second Degree** is a 45 credit hour degree program for students who have already been awarded a Bachelor of Music. This program is the same as the music education component of the conjoint program. The program is designed to prepare music teachers in all facets of school music education: foundations of music education; primary/elementary, intermediate/secondary classroom music; and choral and instrumental music education. The program consists of 30 credit hours of course work in music education and general foundational education and a 15 credit hour teaching internship.

10.9 The **Bachelor of Special Education** is a second degree program designed for the preparation of Special Education teachers and is available through part-time or full-time study.

Page 106, 2016-2017 Calendar, under the heading 7.2 General Diploma Programs, amend the calendar entry as follows:

7.2 General Diploma Programs

1. The **Diploma in Adult Learning and Post-Secondary Education** explores practices, principles, and theories in the field of adult learning. This diploma program is designed to prepare graduates for instructional and professional roles in adult education settings such as community agencies, not-for-profit organizations, and community development programs.
2. ~~The **Diploma in Native and Northern Education (T.E.P.L.)** is a teacher education program in Labrador with Options in Classroom~~

Faculty of Education (cont'd)

~~Teacher or Core Language Teacher. This program is normally for speakers of either Innu-aimun or Inuktitut. This program is currently under review and is not available for admission at this time.~~

Page 106, 2016-2017 Calendar, under the heading 8 Admission/readmission Regulations for the Faculty of Education, amend the calendar entry as follows:

8 Admission/Readmission Regulations for the Faculty of Education

The program regulations for each degree and diploma program listed below can be found at **Program Regulations**.

In addition to meeting *UNIVERSITY REGULATIONS*, an applicant must meet the **Admission/Readmission Regulations for the Faculty of Education** below and the **Admission/Readmission Regulations** for his/her program of admission/readmission.

1. Admission to degree and diploma programs within the Faculty of Education is limited, selective and highly competitive. Meeting minimum admission requirements does not guarantee acceptance to a program. The Faculty reserves the right to limit the number of spaces available in each program. When the number of eligible applicants exceeds the number of spaces available in a particular program, preference may be given to applicants who are permanent residents of Newfoundland and Labrador.
2. At least three positions per year are available in Education programs for applicants of Aboriginal ancestry who have met the admission requirements. Applicants must submit a letter of request with the Faculty application and provide documentation of Aboriginal ancestry.
3. An applicant for admission to degree and diploma programs within the Faculty of Education must submit the appropriate completed Faculty application form, and if applicable a form for admission/readmission to the University which is available from the Office of the Registrar at www.mun.ca/regoff/admission/. Application forms and transcripts from institutions other than Memorial University of Newfoundland must be sent to the Office of the Registrar in accordance with the deadlines specified for each program in the **Application Deadline Dates** table below. Letters of reference and personal statement as required by the application form must be forwarded directly to the Faculty of Education Undergraduate Admissions Office. An applicant who must apply for admission/readmission to the University must also

Faculty of Education (cont'd)

submit the General Application for Admission/Readmission to the Office of the Registrar within the deadlines as set out in the **University Diary**. Applications received or post-marked later than the stated deadline dates will be processed as time and resources permit.

Application Deadline Dates

Program	Commencement Date	Application Deadline
Bachelor of Education	Fall	January 15
Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education	Spring	January 15
Bachelor of Music Education - first and second degree	Fall	January 15
Bachelor of Education (Native & Northern)	This program is currently under review and is not available for admission at this time.	
Bachelor of Education (Post-Secondary) - first and second degree	Fall Winter	May 15 September 15
Bachelor of Education (Primary/Elementary) as a First Degree	Fall	January 15
Bachelor of Education (Primary/Elementary) as a Second Degree	Spring	January 15
Bachelor of Special Education	Fall	January 15
Diploma in Adult Learning and Post-Secondary Education	Fall Winter	May 15 September 15
Diploma in Native and Northern Education	This program is currently under review and is not available for admission at this time.	

Page 109, 2016-2017 Calendar, under the heading 8.3 Bachelor of Education (Native and Northern), amend the calendar entry as follows and renumber subsequent sections:

8.3 — Bachelor of Education (Native and Northern)

~~This program is currently under review and is not available for admission at this time.~~

- ~~1. For application deadlines refer to the **Application Deadline Dates** table.~~
- ~~2. ***Normally, to be considered for admission, an applicant must have completed a minimum of 15 credit hours with an average of at least 55% in those courses and be in clear standing.***
An applicant may be considered for conditional admission to the program upon admission to the University. An applicant admitted conditionally will be admitted in clear standing after successful completion of 15 credit hours with an average of not less than 55% percent.~~
- ~~3. An applicant who has completed more than 15 credit hours prior to admission to the program will be permitted to apply those credit hours, where appropriate, towards the Bachelor of Education~~

Faculty of Education (cont'd)

~~(Native and Northern) provided an average of at least 60% has been obtained in all courses beyond the first 15 credit hours.~~

- ~~4. An applicant who has not met the requirements for direct entry from high school, but is eligible for entry on other criteria, will be assessed for literacy in English through procedures in accordance with University regulations. Where necessary, courses may be provided to give students an opportunity to upgrade their literacy skills.~~

Page 111, 2016-2017 Calendar, under the heading 8.12 Diploma in Native and Northern Education in Labrador (T.E.P.L.), amend the calendar entry as follows:

8.12 — Diploma in Native and Northern Education in Labrador (T.E.P.L.)

~~This program is currently under review and is not available for admission at this time.~~

- ~~1. For application deadlines refer to the **Application Deadline Dates** table.~~
- ~~2. ***Admission to the Diploma in Native and Northern Education in Labrador (T.E.P.L.) program requires a regular application for admission to Memorial University of Newfoundland and a special application for admission to the program.***~~
- ~~3. An applicant for admission to this program must normally be a speaker of either Innu-aimun or Inuktitut and meet the General Admission Requirements of the University as outlined in the Calendar.~~

Page 114, 2016-2017 Calendar, under the heading 9.3 Bachelor of Education (Native and Northern), amend the calendar entry as follows and renumber subsequent sections:

9.3 — Bachelor of Education (Native and Northern)
~~***This program is currently under review and is not available for admission at this time.***~~

9.3.1 Bachelor of Education (Native and Northern)
Primary/Elementary Education Route

~~The 150 credit hour Bachelor of Education (Native and Northern), Primary/Elementary route requires 66 credit hours in Education, a 15 credit hour internship, and 69 credit hours in non education courses as chosen below in **Table 3 Bachelor of Education (Native and Northern) Primary/Elementary Education Route** and in consultation with the Office of Undergraduate Programs.~~

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- ~~*A student who has completed the Diploma in Native and Northern Education in Labrador and has successfully completed at least five years as a teaching assistant or certified teacher may apply to the Office of Undergraduate Programs for a waiver of the internship requirement. In cases where waivers are granted, a student will be required to complete 15 credit hours in Primary or Elementary Education to be determined from an approved list, in consultation with the Office of Undergraduate Programs.*~~
- Within the ~~UNIVERSITY REGULATIONS – General Academic Regulations (Undergraduate) – Residence Requirements,~~ a student completing the Bachelor of Education (Native and Northern) Degree shall complete a minimum of 12 credit hours as a full-time student through attendance at classes for the duration of at least one semester on a campus of Memorial University of Newfoundland.

**Table 3 Bachelor of Education (Native and Northern)
Primary/Elementary Education Route**

Required Non-Education Courses	Required Education Courses
<p>12 credit hours in English 6 credit hours in Math 6 credit hours in Science 6 credit hours in Anthropology 6 credit hours in Linguistics (Inuktitut or Innu-aimun) 3 credit hours in Psychology These courses must be completed before registering for ED 404X.</p> <p>24 credit hours as follows: a concentration of four courses from each of two of the following subject areas: Aboriginal Studies, Art, Folklore, French, Geography, History, Linguistics, Mathematics, Music/Music Education, Physical Education, Religious Studies, Science, Theatre Arts (only one of Folklore, Linguistics, or Theatre Arts may be chosen as a subject area). These courses must be completed before registering for ED 404X.</p> <p>Proficient speakers of Inuktitut or Innu-aimun who plan to teach one of these languages and/or plan to teach in one of these languages shall complete at least 3 credit hours from each of the following areas: Language literacy skills or Language teaching skills.</p>	<p>a minimum of 60 credit hours in Education, to be determined from an approved list, in consultation with the Office of Undergraduate Programs. Included in those credit hours will be: 51 credit hours in Education from which at least 3 credit hours in Education must be chosen from each of the following areas: Administration, Assessment of Primary/Elementary Children, Arts, Childhood Development, Children's Literature, Curriculum Development, Introductory Overview of Native Education, Language Arts, Mathematics, Native Education Issues and Trends, Reading, Science, Social Studies, Social Context of Education, Tests and Measurement, Teaching English as a Second Language, Teaching Strategies. These courses must be completed before registering for ED 404X.</p> <p>Further credit hours in Education to complete the required total of 60 must be chosen from appropriate course offerings of the Faculty of Education, in consultation with the Office of Undergraduate Programs.</p> <p>3 credit hours from one of the following areas: Teaching of Inuktitut or Innu-aimun for students who are proficient speakers of one of these languages or Language and culture for applicants who are not proficient speakers of Inuktitut or Innu-aimun.</p> <p>ED 404X</p> <p>Further credit hours to complete the required total of 150 may be selected from any subject area outside of Education or from other credit hours in Education which are approved for the primary/elementary area.</p>

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9.3.2 — Bachelor of Education (Native and Northern) Secondary Education Route

- The 150 credit hour Bachelor of Education (Native and Northern), Secondary route requires 60 credit hours in Education, a 15 credit hour internship, and 75 credit hours in non education course as chosen below from **Table 4 Bachelor of Education (Native and Northern) Secondary Education Route** and in consultation with the Office of Undergraduate Programs.
- ~~*A student who has completed the Diploma in Native and Northern Education in Labrador and has successfully completed at least five years as a teaching assistant or certified teacher may apply to the Office of Undergraduate Programs for a waiver of the internship requirement. In cases where waivers are granted, a student will be required to complete 15 credit hours in Secondary Education to be determined from an approved list in consultation with the Office of Undergraduate Programs.*~~
- A student who does not register for courses during the academic year in which admission is granted will be dropped from the program and must, if he/she wishes to be subsequently considered for admission, submit a new application which will be considered in competition with those of all other applicants.
- Within the **UNIVERSITY REGULATIONS – General Academic Regulations (Undergraduate) – Residence Requirements**, a student completing the Bachelor of Education (Native and Northern) Degree shall complete a minimum of 12 credit hours as a full time student through attendance at classes for the duration of at least one semester on a campus of Memorial University of Newfoundland.

Faculty of Education (cont'd)**Table 4 Bachelor of Education (Native and Northern) Secondary Education Route**

Required Non-Education Courses	Required Education Courses
<p>6 credit hours in English 6 credit hours in Anthropology 6 credit hours in Linguistics (Inuktitut or Innu-aimun) 3 credit hours in Psychology These courses must be completed before registering for ED 404X.</p> <p>A concentration of either: eight courses in each of two of the following areas: Aboriginal Studies, Art, Biochemistry, Biology, Canadian Studies, Chemistry, Computer Science, Earth Sciences, Economics, English, Folklore, French, Geography, History, Linguistics, Mathematics (may include Statistics), Newfoundland and Labrador Studies, Physical Education, Physics, Political Science, Religious Studies, and Theatre Arts (only one of Folklore, Linguistics, Newfoundland Studies, Political Science or Theatre Arts may be chosen as a subject area) or a concentration of eight courses from one subject area listed above, and four courses from each of two of the other subject areas, other than the subject area chosen for the eight course subject area concentration.</p> <p>Courses from other disciplines deemed to be equivalent to courses in any of the above listed academic disciplines will be accepted.</p> <p>Proficient speakers of Inuktitut or Innu-aimun who plan to teach one of these languages and/or plan to teach in one of these languages shall complete at least 3 credit hours from each of the following areas: Language literacy skills or Language teaching skills</p>	<p>a minimum of 54 credit hours in Education, to be determined from an approved list, in consultation with the Office of Undergraduate Programs. Included in those credit hours will be: At least 3 credit hours in Education from each of the following areas: Administration, Curriculum Development, Educational Psychology, Introductory Overview of Native Education, Native Education Issues and Trends, Reading, Social Context of Education, Student Evaluation, Teaching English as a Second Language, Teaching Strategies. These courses must be completed before registering for ED 404X.</p> <p>Appropriate teaching methodology courses to correspond with concentrations to be determined from an approved list, in consultation with the Office of Undergraduate Programs. These courses must be completed before registering for ED 404X.</p> <p>3 credit hours from one of the following areas: Teaching of Inuktitut or Innu-aimun for applicants who are proficient speakers of one of these languages or Language and culture for applicants who are not proficient speakers of Inuktitut or Innu-aimun. These courses must be completed before registering for ED 404X.</p> <p>Further credit hours in Education to complete the required total of 54 must be chosen from appropriate course offerings of the Faculty of Education, in consultation with the Office of Undergraduate Programs</p> <p>Fluent speakers of Inuktitut or Innu-aimun, and who plan to teach one of these languages and/or plan to teach in one of these languages, shall complete at least 3 credit hours from each of the following areas: Language literacy skills or Language teaching skills.</p> <p>ED 404X. Courses required for the concentrations must be completed before registering for ED 404X.</p> <p>Further credit hours to complete the required total of 150 may be selected from any subject area outside of Education or from other credit hours in Education which are approved for the secondary area.</p>

Page 121, 2016-2017 Calendar, under the heading 9.11 Diploma in Native and Northern Education in Labrador, amend the calendar entry as follows:}

9.11 Diploma in Native and Northern Education in Labrador

This program Is currently under review and is not available for admission at this time.

- Courses designated for the Diploma in Native and Northern Education in Labrador (T.E.P.L.) program (designated by T) are intended for students registered in this program, but may be opened to other students upon permission of the Office of Undergraduate Programs, Faculty of Education.
- The Diploma in Native and Northern Education requires a total of 60 credit hours as outlined below in **Table 16 Diploma in Native and Northern Education in Labrador**. The 60 credit hours is comprised

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~~of 30 required credit hours and 30 credit hours chosen from **Option A – Classroom Teacher** or **Option B – Core Language Teacher**.~~

~~Table 16 Diploma in Native and Northern Education in Labrador~~

<p>Option A – Classroom Teacher</p> <p>60 required credit hours as follows: ED 2022 or 2032, ED 2655, ED 3001, ED 3002, ED 3321, ED 4220 or 4230, English 1030, Linguistics 1530, Linguistics 1531, and Linguistics 2020 or 2030</p> <p>The following 30 credit hours are compulsory in addition to the 60 credit hours listed above:</p> <p>a. ED 2182, ED 2194, ED 2200, ED 2350, ED 3007, ED 3140, ED 3281, ED 3961, ED 4330, Sociology/Anthropology 2220</p> <p>b. Professional Seminars. This non-credit component is compulsory and will include seminars dealing with topics such as: Classroom Management, Organizational Skills, Healing, Computer Training and Resource Development.</p>
<p>Option B – Core Language Teacher</p> <p>60 required credit hours as follows: ED 2022 or 2032, ED 2655, ED 3001, ED 3002, ED 3321, ED 4220 or 4230, English 1030, Linguistics 1530, Linguistics 1531, and Linguistics 2020 or 2030</p> <p>The following 30 credit hours are compulsory in addition to the 60 credit hours listed above:</p> <p>a. ED 2035, ED 2036, ED 2037, ED 2038, ED 2039, the former ED 2041, ED 3007, ED 4221 or 4231, ED 4330, Linguistics 2021, or 2031</p> <p>b. Professional Seminars. This non-credit component is compulsory and will include seminars dealing with topics such as: Classroom Management, Organizational Skills, Healing, Computer Training, and Resource Development.</p>

Page 121, 2016-2017 Calendar, under the heading 10 Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a Second Degree, Bachelor Education (Intermediate/Secondary), and Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education, amend the calendar entry as follows:

“10 Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a Second Degree, Bachelor of Education (Intermediate/Secondary), and Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education

These regulations apply to the Bachelor of Education (Primary/Elementary) as a Second Degree, Bachelor of Education (Intermediate/ Secondary), and Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education. For any of the degree programs not listed here see Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a First Degree, Bachelor of Music Conjoint with Bachelor of Music Education, Bachelor of Music Education as a Second Degree, ~~Bachelor of Education (Native and Northern)~~, Bachelor of Special Education, Bachelor of Education (Post-Secondary) as a First Degree, Bachelor of Education (Post-Secondary) as a Second Degree, and Diploma in Adult Learning and Post-Secondary Education, and Diploma in Native and Northern Education in Labrador.

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1. A student must successfully complete all courses, attain an overall semester average of at least 65%, and a grade of PAS (pass) in the internship(s). A student who fails to meet any of the above criteria will be required to withdraw from the program.
2. Notwithstanding Clause 1., the Committee on Undergraduate Studies, on recommendation from the Admissions Committee, reserves the right to require a student to withdraw from the Faculty at any time if, in the opinion of the Committee, the student is deemed unsuitable for continued attendance in the programs.
3. In exceptional circumstances, waiver of these regulations may be granted by the Committee on Undergraduate Studies, Faculty of Education, on advice of the Office of Undergraduate Programs.”

Page 122, 2016-2017 Calendar, under the heading 11 Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a First Degree, Bachelor of Music Conjoint with Bachelor of Music Education, Bachelor of Music Education as a Second Degree, Bachelor of Education (Native and Northern), Bachelor of Special Education, Bachelor of Education (Post-Secondary) as a First Degree, Bachelor of Education (Post-Secondary) as a Second Degree, Diploma in Adult Learning and Post-Secondary Education, and Diploma in Native and Northern Education in Labrador, amend the calendar entry as follows:

11 Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a First Degree, Bachelor of Music Conjoint with Bachelor of Music Education, Bachelor of Music Education as a Second Degree, ~~Bachelor of Education (Native and Northern),~~ Bachelor of Special Education, Bachelor of Education (Post-Secondary) as a First Degree, Bachelor of Education (Post-Secondary) as a Second Degree, and Diploma in Adult Learning and Post-Secondary Education, and ~~Diploma in Native and Northern Education in Labrador~~

These regulations apply to the Bachelor of Education (Primary/Elementary) as a First Degree, Bachelor of Music Conjoint with Bachelor of Music Education, Bachelor of Music Education as a Second Degree, ~~Bachelor of Education (Native and Northern),~~ Bachelor of Special Education, Bachelor of Education (Post-Secondary) as a First Degree, Bachelor of Education (Post-Secondary) as a Second Degree, and Diploma in Adult Learning and Post-Secondary Education, ~~and Diploma in Native and Northern Education in Labrador~~. For any of the degree or diploma programs not listed here see Regulations for Readmission and Advancement for the Bachelor of Education (Primary/Elementary) as a Second Degree,

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Bachelor of Education (Intermediate/Secondary), and Bachelor of Education (Intermediate/ Secondary) Conjoint with the Diploma in Technology Education.

1. a. Following admission to a program of the Faculty of Education, all full-time students must obtain a semester average of at least 65% in order to remain in clear standing in the Faculty.

b. These regulations will be applied to part-time students only after they have completed 12 consecutive credit hours on a part-time basis.
2. A student who fails to obtain a semester average of 65% but who is eligible for readmission under **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)** will be placed on probation in the Faculty. A probationary student who fails to obtain a 65% average during the next semester in which he/she completes courses will be required to withdraw from the Faculty.
3. A student completing the Bachelor of Education (Primary/Elementary), Bachelor of Music Conjoint with Bachelor of Music Education, or the Bachelor of Music Education as a Second Degree who attains a grade of FAL (fail) in his/her internship will either:
 - a. be required to withdraw from the program; or
 - b. with the recommendation of the Office of Undergraduate Programs, Faculty of Education, repeat the internship in another school setting.
4. A student who has been required to withdraw from the Faculty of Education may, after a lapse of at least two semesters, apply for readmission to the Faculty. A student who is readmitted under this Clause will be considered probationary and must meet requirements stated in Clause 2. above.
5. A student who is required to withdraw from the University under **UNIVERSITY REGULATIONS - General Academic Regulations (Undergraduate)** will be required to withdraw from the Faculty of Education.
6. A student who has been required to withdraw from the Faculty on two occasions will be ineligible for future readmission.
7. Notwithstanding Clauses 1. through 4., the Committee on Undergraduate Studies on recommendation from the Admissions Committee reserves the right to require a student to withdraw from the Faculty at any time if, in the opinion of the Committee, he/she is deemed unsuitable for continued attendance in the programs.
8. A student who has been required to withdraw from the Faculty may register only in those Education courses listed as applicable

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for non-Education students.

9. In exceptional circumstances, the Committee on Undergraduate Studies may waive the Readmission and Advancement regulations for the Faculty of Education as stated above.

- ~~10. An applicant who has been admitted to the Bachelor of Education (Native and Northern) will normally be governed by Regulations 2. and 4. 9. above. For this program only, advancement regulations will be applied upon the completion of each 15 credit hour segment throughout the duration of the program and will be assessed on the basis of the average obtained on those 15 credit hours~~

Page 122, 2016-2017 Calendar, under the heading 15 Course Descriptions, amend the calendar entry as follows:

15 Course Descriptions

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 Faculty

All courses of the Faculty are designated by ED.

Legend:

PE: Courses for students in the Primary/Elementary program

IS: Courses for students in the Intermediate/Secondary program

ISI: Courses for students in the Intermediate/Secondary Conjoint with the Diploma in Technology Education program

~~**T:** Courses for students in the T.E.P.L. Diploma program~~

AL: Courses for students in the Diploma in Adult Learning and Post-Secondary Education program

ME: Courses for students in the Music Education program

PS: Courses for students in the Post-Secondary Education programs

SE: Courses for students in the Special Education program

ACP: Courses for students in Aboriginal Community Based programs

~~**NPE:** Courses for students in the Native and Northern program
—Primary/Elementary route~~

~~**NS:** Courses for students in the Native and Northern—Secondary route~~

2022 The Teaching of Inuttut (T,NPE ACP) focuses on the preparation of materials and ~~classroom~~ the development of methods, strategies and assessment techniques for the teaching of Inuttut in ~~Primary and Elementary schools in Native communities~~ Labrador.

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~~Attention will be given to linguistic difficulties encountered in schools by children whose first language is English.~~

~~**2023 Language and Culture in Education (NPE,NS ACP)** is an overview of issues of language and culture in Native and Northern Education. Emphasis will be placed on examination and development of explores contexts, curricula and materials that recognize cultural diversity (especially Aboriginal cultures), foster the teaching and maintenance of Aboriginal languages, and support the work of Aboriginal language specialists in the classroom.~~

~~**2032 The Teaching of Montagnais Innu-aimun (T,NPE ACP)** - inactive course focuses on the preparation of materials and the development of methods, strategies and assessment techniques for the teaching of Innu-aimun in schools in Labrador.~~

~~**2035 The Teaching of History and Culture of Labrador Inuit and Innu (T)** - inactive course.~~

~~**2036 The Teaching of Aboriginal Issues (T)** - inactive course.~~

~~**2037 Aboriginal Drama (T)** - inactive course.~~

~~**2038 Aboriginal Music and Art (T ACP)** is a study of music and art in cultural transmission. The course will develop skills in reading and writing associated with ~~Innu and Inuit~~ Aboriginal cultures, and will emphasize activities for exploring the elements of music. ~~Innu and Inuit~~ Aboriginal art forms will be explored as well as art as decoration in ~~Innu and Inuit~~ Aboriginal society.~~

~~**2039 Cultural Camp Aboriginal Land Based Learning (T ACP)** is intended for aboriginal people to learn about ways of helping and healing that are traditional to their own culture and to learn ways of effectively incorporating those cultural aspects in the school curriculum of aboriginal schools. This course includes a one week field trip to an isolated camp in coastal Labrador, where students and instructors will live according to traditional cultural practices under the guidance of community elders is for students interested in learning about the Aboriginal cultures of Newfoundland and Labrador. Under the guidance of Elders and traditional teachers, learners will gain an understanding of Aboriginal pedagogy, land-based learning, and ways of incorporating culture into the school curricula. This course is normally offered at Labrador Institute.~~

~~**2182. An Introduction to the Teaching of Science in the Primary and Elementary Grades (T,ME,NPE).** An introductory course illustrating fundamental processes and concepts of Science, and how~~

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~~these may be communicated to the elementary child. Content will be chosen which relates to the prevailing elementary school Science program. Typical concepts include measurement, energy in selected physical and biological systems, fundamental ecology, communities of living things, environmental change, the particulate nature of matter, and simple astronomy.~~

~~**2200. Language Arts (PE,T,NPE,ME).** An examination of the methods and materials used in the teaching of the language arts with special reference to the effect on the overall educational development of the child whose first language is not English.~~

~~**2202 Education in Native Aboriginal and Northern Communities - An Overview (PE,NPE,NS ACP)** is an general introductory course for where students planning to explore teaching in an Aboriginal or northern context with particular focus on Newfoundland and Labrador. This will include an understanding of classroom where Innu and/or Inuit children are in attendance. Emphasis will be placed on creating an awareness of the religion, philosophical and, cultural values and way of life of Native peoples; the legal and administrative processes concerning Native peoples from the past to the present; a historical perspective in Native education; and contemporary issues and trends in Native education. This course will provide the necessary foundation for the training of teachers who are sensitive to the influence of culture on the values, behaviour, needs and motivations of children distinctions between Aboriginal and non-Aboriginal approaches to teaching and learning; an examination of significant historical developments in Aboriginal education and how they may have impacted Aboriginal education today; an exploration of actual and potential roles played by local individuals and groups in the education process; models to improve communication between school and community; and an examination of the current status of Aboriginal education and the major educational challenges facing students, leaders and communities.~~

~~2350 An Introduction to the Teaching of Mathematics in the Primary and Elementary Grades (T,NPE) - **inactive course.**~~

~~**2361 The School and Community** - inactive course.~~

~~2430 Administration and Supervision in Native and Northern Education (NPE,NS) - **inactive course.**~~

~~**2655 Recognizing and Protecting Children's Needs** - inactive course.~~

Faculty of Education (cont'd)

~~3001 Supervised Practice Teaching in Native Schools I (T)~~
~~inactive course.~~

~~3002 Supervised Practice Teaching in Native Schools II (T)~~
~~inactive course.~~

~~3140 Creative Arts~~ — inactive course.

~~3281 Tests and Measurements (T,NPE,NS)~~ — inactive course.

~~3321 Native Literature (T,NPE)~~ — inactive course.

~~3542 Reading in the Primary and Elementary Grades (NPE)~~
~~inactive course.~~

3573 History of Native and Northern and Current Trends in Aboriginal Education in Canada (PE,NPE,NSACP) — ~~inactive course~~ is a seminar course that explores how to integrate indigenous knowledge and experience in curriculum and pedagogy in classrooms and communities, and on the land. The course offers insights from past experience and draws on Aboriginal perspectives to understand educational history, current contexts and future directions. Students will develop critical analytical skills and learn about restorative justice, land and place based education, and other pedagogical approaches based on Aboriginal knowledge and cultures.

~~3961 Social Studies in Native and Northern Schools (T,NPE)~~ — inactive course.

~~4020 Issues Topics and Trends in Native Aboriginal Education (NPE,NS ACP)~~ is a seminar course dealing with research, current problems and issues associated with Native Education within a Canadian, and in particular, a Newfoundland and Labrador context with a focus on topics and trends in Aboriginal educational research and practice in Newfoundland and Labrador as well as other Aboriginal contexts. The course will provide a greater understanding and appreciation of Aboriginal educational needs and self-determination within national and local socio-political contexts.

~~404X Internship in Native and Northern Education (NPE,NS)~~ (equivalent to 15 credit hours in Education) is a one semester internship in a school setting that will enable students to become directly involved in the teaching/ learning process through observation and practice. Activities during the semester will involve seminars to assist students in the assessment of teaching methodologies most

Faculty of Education (cont'd)

~~appropriate for the curriculum in Native schools. Student placement will be in a school setting depending upon the program route which students have followed.~~

~~AR: Attendance is required. With respect to holidays, interns follow the schedule of the school and not that of the University.~~

~~PR: see Bachelor of Education (Native and Northern) Degree Regulations~~

~~**4220 The Teaching of Inuttut I (ACP)**—inactive course.~~

~~**4221 The Teaching of Inuttut II (ACP)**—inactive course.~~

~~**4230 The Teaching of Innu-aimun I (ACP)**—inactive course.~~

~~**4231 The Teaching of Innu-aimun II (ACP)**—inactive course.~~

~~4330 Curriculum and Instruction in Native and Northern Schools I (T,NPE,NS)—inactive course.~~

~~**4331 Curriculum and Instruction in Native and Northern Schools II (PE,NPE,NS)**—inactive course.”~~

62.9 Department of Ocean Sciences and Department of Biology

It was moved by Professor Walsh, seconded by Mr. Brett, and carried that on page 483, 2016-2017 Calendar, following the section 5.2.12 Economics (Co-operative) and Statistics Joint Major (B.Sc. Only), insert the following new section as follows:

“5.2.13 Joint Major in Marine Biology

The Joint Major in Marine Biology is jointly administered by the Department of Ocean Sciences and the Department of Biology. It consists of core courses in oceanography and biology, and additional courses in various Science subjects. More information on recommended courses and time tables can be found in the Handbook of Undergraduate Studies available on both departmental websites.

Students who wish to enroll in the program should seek academic advising well in advance to ensure they have completed the appropriate prerequisites. Entry to required courses may be limited and determined by academic performance. Students are advised to consult with the Department of Ocean Sciences or the Department of Biology at the earliest opportunity. Each student registered in the program will be assigned a faculty advisor who should be consulted on academic issues, including course selection.

Department of Ocean Sciences and Department of Biology (cont'd)

5.2.13.1 Entrance requirements

Admission to the program is based on academic standing. To be considered for admission to the program, students must normally have completed 33 credit hours with an overall average of at least 60%. The following courses must normally have been completed:

1. English 1080 and 1110 (or equivalent);
2. Mathematics 1000
3. Physics 1020 and 1021 (or 1050 and 1051);
4. Chemistry 1050 and 1051 (or 1010 and 1011) or 1200 and 1001);
5. Earth Sciences 1000;
6. Biology 1001 and 1002 with an average grade of 65%;
7. Ocean Sciences 1000 with a minimum grade of 65%

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

5.2.13.2 Program of Study

Students pursuing a Joint Major in Marine Biology are required to complete a minimum of 33 credit hours in Biology and 33 credit hours in Ocean Sciences as follows:

1. English 1080 and 1110 (or equivalent);
2. Mathematics 1000
3. Earth Sciences 1000
4. Statistics 2550 (or equivalent)
5. Physics 1020 and 1021 (or equivalent)
6. Chemistry 1050 and 1051 (or Chemistry 1010 and 1011) (or 1200 and 1001), and Chemistry 2440 (or Chemistry 2400 and 2401);
7. Biochemistry 2101 and 3106;
8. Biology 1001, 1002, 2060, 2122, 2250, 2600, 2900, 3710 (or Ocean Sciences 2000) and 3711;
9. Additional courses required to complete 33 credit hours in Biology, except Biology 2040, 2041, 2120, 3053, and 3820, making sure the program includes an overall minimum of 6 credit hours in Biology at the 3000/4000 level;
10. Ocean Sciences 1000, 2000 (or Biology 3710), 2001, 2100, 2500; and at least one of Ocean Sciences 2200 or 2300;

Department of Ocean Sciences and Department of Biology (cont'd)

11. Additional courses required to complete 33 credit hours in Ocean Sciences, including a minimum of 12 credit hours at the 3000/4000 level;
12. Other courses as necessary to complete the minimum of 120 credit hours required for the General Degree of Bachelor of Science.

Note 1: Courses cross listed between Biology and Ocean Sciences can only count for one subject or the other.

Note 2: A maximum of 9 credit hours can be in Biology courses with no associated laboratory/seminar.

Note 3: Students currently enrolled in the former Major in Biology (Marine) have the option of continuing the program as listed previously, or switch to the new Joint Major in Marine Biology outlined above.”

Page 490, 2016-2017 Calendar, under the heading 9.2 Biology, amend the calendar entry as follows:

“9.2 Biology

www.mun.ca/biology

The following undergraduate programs are available in the Department:

1. Biochemistry and Cell Biology Joint Honours
2. Biology and Earth Sciences (Geology) Joint Honours
3. Biology and Psychology Joint Honours
4. Biology and Psychology (Behavioural Neuroscience) Joint Honours
5. Biology and Statistics Joint Honours
6. Joint Major in Marine Biology
- ~~67.~~ Major or Honours in Biology
- ~~78.~~ Major or Honours, or Major (Co-operative) or Honours (Co-operative), in Biology (Cell and Molecular)
- ~~89.~~ Major or Honours, or Major (Co-operative) or Honours (Co-operative), in Biology (Ecology and Conservation)
- ~~9. Major or Honours, or Major (Co-operative) or Honours (Co-operative), in Biology (Marine)~~
10. Honours, or Honours (Co-operative), in Biology (Marine)
- ~~1140.~~ Minor in Biology

Details of joint programs are given after the **Regulations for the Honours Degree of Bachelor of Science.**

Biology course descriptions are found at the end of the Faculty of Science section under **Course Descriptions, Biology.”**

Department of Ocean Sciences and Department of Biology (cont'd)

Page 492, 2016-2017 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)

The Major in Biology (Marine) is no longer being offered. Students who have already declared this major may complete the program in accordance with General Academic Regulation 6.2.1, or may instead switch to the Joint Major in Marine Biology (see section 5.2.13) by completing a Change of Academic Program form.

~~All students majoring in Biology (Marine) are required to complete a minimum of 45 credit hours in courses from the Department of Biology offering. Those 45 credit hours must include: Biology 1001 and 1002 or their equivalents; the 15 credit hours in core courses listed below; Biology 3710 and 3711; 6 credit hours from the recommended Biology courses for Biology (Marine) listed below; and 12 credit hours from Biology electives at the 2000, 3000 or 4000 level except Biology 2040, 2041, 2120, 3053, and 3820.~~

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

~~Recommended Biology courses for Biology (Marine) are 3014, 3050, 3295, 3620, 3640, 3709, 3712, 3714, 3715, 3951, 4122, 4141, 4182, 4360, 4601, 4605, 4607, 4620, 4630, 4710, 4750, 4810, 4912.~~

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

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

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

Department of Ocean Sciences and Department of Biology (cont'd)

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

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

Page 505, 2016-2017 Calendar, under the heading 9.9 Ocean Sciences, amend the calendar entry as follows:

“9.9 Ocean Sciences

www.mun.ca/osc

The Department of Ocean Sciences is newest Department within the Faculty of Science. The faculty within this Department are the former faculty of the [Ocean Sciences Centre](#), a research unit and facility that was first opened in 1967.

The Department's mandate as an interdisciplinary unit is to focus on increasing our understanding of biological and chemical processes within the oceans, and with those associated with aquaculture.

The Department offers ~~undergraduate programs in Ocean Sciences and~~ graduate programs in Marine Biology, and the following undergraduate programs:

1. Minor in Oceanography
2. Minor in Sustainable Aquaculture and Fisheries Ecology
3. Major in Ocean Sciences
4. Major in Ocean Sciences (Environmental Systems)
5. Joint Major in Marine Biology

Details of the Joint Major in Marine Biology can be found under **Joint Majors**.

Ocean Sciences course descriptions are found at the end of the Faculty of Science section under [Course Descriptions, Ocean Sciences](#).”

62.10 Department of English

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“12.7 English

~~English 1080 — Critical Reading and Writing in English is an introduction to such literary forms as poetry, short fiction, drama, and~~

Department of English (cont'd)

~~the essay. Emphasis is placed on critical reading and writing: analyzing texts, framing and using questions, constructing essays, organizing paragraphs, quoting and documenting, revising and editing. All sections of this course follow Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw.~~

~~CR: ENGL 1000. Students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).~~

~~English 1101: Critical Reading and Writing in Fiction uses such texts as the novel, the novella, and the short story to emphasize analytical reading, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw and build on foundational CRW content delivered in ENGL 1080.~~

~~CR: Students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).~~

~~PR: ENGL 1000 or 1020 or 1030 or 1080~~

~~1102 Critical Reading and Writing in Drama uses dramatic texts to emphasize analytical reading, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw and build on foundational CRW content delivered in ENGL 1080.~~

~~CR: Students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).~~

~~PR: ENGL 1000 or 1020 or 1030 or 1080~~

~~UL: may not be used instead of ENGL 2002 as a prerequisite for entry into the Theatre-Drama specialization within the Major.~~

~~1103 Critical Reading and Writing in Poetry uses poetic texts to emphasize analytical reading, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow Critical Reading and Writing Course Guidelines available at www.mun.ca/hss/crw and build on foundational CRW content delivered in ENGL 1080.~~

~~CR: Students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).~~

~~PR: ENGL 1000 or 1020 or 1030 or 1080"~~

Department of English (cont'd)

All references to English 1080 should be deleted from the Calendar.

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“1090 Critical Reading and Writing: Telling Stories is a foundational course for all university programs undertaken at Memorial, since understanding how stories work is fundamental to all disciplines. This course focuses on the language we encounter in our reading and use to record our reading experiences. Emphasis is placed on critical reading and writing: analyzing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow CRW guidelines available at http://www.mun.ca/hss/programs/undergraduate/critical_reading_writing.php.

CR: ENGL 1000 or 1080. Except for the purposes of fulfilling a CRW requirement, students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).

Abbreviated Course Title: CRW Telling Stories

1191 Critical Reading and Writing: Self and Society studies a variety of texts that explore the interaction between individual desires and social identities. Building on foundational critical reading and writing skills acquired in English 1090, students gain further experience with analyzing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow CRW guidelines available at http://www.mun.ca/hss/programs/undergraduate/critical_reading_writing.php and build on foundational CRW content delivered in English 1090.

CR: ENGL1110 and the former ENGL 1101, 1102, 1103. Except for the purposes of fulfilling a CRW requirement, students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).

PR: ENGL 1000 or 1020 or 1030 or the former 1080 or 1090.

UL: Bachelor of Arts students should normally choose their 2nd CRW course from a discipline listed in the Breadth of Knowledge Requirement, unless they pursue a Major or Minor in English.

Abbreviated Course Title: CRW Self and Society”

English 1101, 1102, and 1103 to be deleted from Calendar and reflected throughout the Calendar.

Department of English (cont'd)

Page 354, 2016-2017 Calendar, under the heading 12.7 English, amend the calendar entry as follows:

“1192 Critical Reading and Writing: Imagined Places studies a variety of texts that explore imaginary (or imaginatively reconstructed) places and the responses of their inhabitants. Building on foundational critical reading and writing skills acquired in English 1090, students gain further experience analyzing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow CRW guidelines available at http://www.mun.ca/hss/programs/undergraduate/critical_reading_writing.php.

CR: ENGL1110 and the former ENGL 1101, 1102, 1103. Except for the purposes of fulfilling a CRW requirement, students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).

PR: ENGL 1000 or 1020 or 1030 or the former 1080 or 1090

UL: Bachelor of Arts students should normally choose their 2nd CRW course from a discipline listed in the Breadth of Knowledge Requirement, unless they pursue a Major or Minor in English.

Abbreviated Course Title: CRW Imagined Places

1193 Critical Reading and Writing: Ways of Reading focuses on the process of reading, on specific strategies and approaches that we take in our encounters with texts and on the ways we report those encounters. Building on foundational critical reading and writing skills acquired in English 1090, students gain further experience analyzing texts, framing and using questions, constructing essays, organizing paragraphs, conducting research, quoting and documenting, revising and editing. All sections of this course follow CRW guidelines available at http://www.mun.ca/hss/programs/undergraduate/critical_reading_writing.php.

CR: ENGL 1110 and the former ENGL 1101, 1102, 1103. Except for the purposes of fulfilling a CRW requirement, students may not receive credit for more than 6 credit hours in first-year courses in English (this includes unspecified first-year transfer credits).

PR: ENGL 1000 or 1020 or 1030 or the former 1080 or 1090

UL: Bachelor of Arts students should normally choose their 2nd CRW course from a discipline listed in the Breadth of Knowledge Requirement, unless they pursue a Major or Minor in English.

Abbreviated Course Title: CRW Ways of Reading”

62.11 Faculty of Humanities and Social Sciences

It was moved by Professor Walsh, seconded by Dr. Phillips, and carried that on page 295, following section 8.7.5 Regulations Concerning the Former Minor in Film Studies, insert the new calendar entry as follows and renumber subsequent sections:

“8.8 Certificate in Food Studies

Program Coordinator: Dr. Lincoln Addison, Department of Anthropology

The Certificate in Food studies involves the interdisciplinary study of food issues at local, regional, national and global scales. The objective of the program is to provide foundational knowledge about the various dimensions of food systems and about the barriers to local and global food security.

1. Advising

Throughout their program of study, students interested in the Certificate in Food Studies are encouraged to contact the Program Coordinator for assistance with course planning, declaring their program of study, 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.

2. Declaring the Certificate in Food Studies

Students interested in a Certificate in Food 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 Food Studies by contacting the Office of the Registrar. Information about declaring a program of study in the Faculty of Humanities and Social Sciences is available at www.mun.ca/hss/programs/undergraduate/ideclare.php

3. Regulations for the Certificate in Food Studies

The Certificate in Food Studies consists of 21 credit hours as prescribed below:

- 1.9 credit hours chosen from Anthropology 2415, Folklore 3830, Geography 3420, Political Science 3260; and
- 2.12 additional credit hours chosen from Table 1 Approved Courses for the Certificate in Food Studies.

In accordance with 8 *Certificate Programs Offered in the Faculty of Humanities and Social Sciences* -- 8.2 *Components*, a minimum of 12

Faculty of Humanities and Social Sciences (cont'd)

credit hours in the Certificate in Food Studies must be comprised of courses listed in the Faculty of Humanities and Social Sciences Course Descriptions.

Table 1 Approved Courses for the Certificate in Food Studies

<u>Core Courses</u>	<u>Other Humanities and Social Sciences Courses</u>	<u>Other Approved Courses</u>
<u>Anthropology 2415</u> <u>Folklore 3830</u> <u>Geography 3420</u> <u>Political Science 3260</u>	<u>Anthropology 3411</u> <u>Archaeology 3510</u> <u>Folklore 2800</u> <u>Sociology 2290</u>	<u>Biochemistry 2005</u> <u>Biochemistry/HKR 2600</u> <u>Biology 2041</u>

Not all courses are offered every semester. Students are strongly advised to consult with the Program Coordinator for assistance with course planning.

4. Course Prerequisites:

ARCH 3510 and BIOC 2005 require prerequisites.”

62.12 Department of Computer Science

It was moved by Professor Walsh, seconded by Dr. Courage, and carried that on page 498, 2016-2017 Calendar, following the section 9.4.1 Major in Computer Science, insert new calendar entries as follows and renumber subsequent sections:

“9.4.2 Major in Computer Science (Smart Systems) (B.Sc. only)

1. Forty-five credit hours in Computer Science courses are required for a major in Computer Science (Smart Systems):
 - a) Computer Science 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006, 2007, and 2008.
 - b) Computer Science 3200, 3201, 3202 and 3301.
 - c) Six additional credit hours in Computer Science courses selected from Computer Science 3401, 3550, 4301, 4303, 4750, 4766.
2. Additional courses required are: Mathematics 1000, 1001, 2000, 2050, and Statistics 1510 or 2550.

9.4.3 Major in Computer Science (Visual Computing and Games) (B.Sc. only)

1. Forty-five credit hours in Computer Science courses are required for a major in Computer Science (Visual Computing and Games):
 - a) Computer Science 1000, 1001, 1002, 2001, 2002, 2003, 2004, 2005, 2006, 2007, and 2008.

Department of Computer Science (cont'd)

- b) Computer Science 3300, 3301 and 4300.
 - c) Six additional credit hours in Computer Science courses selected from Computer Science 2300, 4301, 4302, 4303, 4304.
 - d) Three additional credit hours in Computer Science courses selected from those listed in c above, or Computer Science 2100, 4766, 4768.
2. Additional courses required are: Mathematics 1000, 1001, 2000, 2050, and Statistics 1510 or 2550.”

Page 526, 2016-2017 Calendar, under the heading 10.4.2 Second Year Courses, amend the calendar entry as follows:

“10.4.2 Second Year Courses

2100 Social Web Analysis covers the analysis of social network structures, the flow of data within them and the methods to extract useful information about these networks, their participants and the content of their communication. Security and trust issues are also covered.

PR: COMP 1000

Abbreviated Course Title: Social Web Analysis”

Page 527, 2016-2017 Calendar, under the heading 10.4.3 Third Year Courses, amend the calendar entry as follows:

3200 Algorithmic Techniques for Smart Systems covers basic algorithmic techniques and data structures that are used to embed basic intelligent behaviors, such as problem solving, reasoning and learning in software systems and agents.

CR: COMP 4753

PR: COMP 2001 and COMP 2002, and Statistics 1510 or Statistics 2550

Abbreviated Course Title Alg Tech for Smart Systems”

Page 528, 2016-2017 Calendar, under the heading 10.4.4 Fourth Year Courses, amend the calendar entry as follows:

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.

CR: COMP3200

PR: COMP 3719 and 3754”

Department of Computer Science (cont'd)

Page 527, 2016-2017 Calendar, under the heading 10.4.3 Third Year Courses, amend the calendar entry as follows:

“3201 Introduction to Nature-Inspired Computing provides an overview of popular nature-inspired computing methods. Methods that are inspired by both biological and non-biological systems are considered. These methods have been applied to solve problems in various areas of computing such as optimization, machine learning, and robotics. Particular examples of nature-inspired computing methods studied include cellular automata, neural networks, evolutionary computing, swarm intelligence, artificial life, and complex networks. Contributions made in the field of nature-inspired computing that have led to advances in the natural sciences are also discussed.

CR: COMP 4752

PR: COMP 2002

Abbreviated Course Title: Nature-inspired Computing”

Page 528, 2016-2017 Calendar, under the heading 10.4.4 Fourth Year Courses, amend the calendar entry as follows:

“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.

CR: COMP 3201

PR: COMP 3719 and COMP 3754”

Page 527, 2016-2017 Calendar, under the heading 10.4.3 Third Year Courses, amend the calendar entry as follows:

“3202 Introduction to Machine Learning introduces concepts and algorithms in machine learning for regression and classification tasks. The course gives the student the basic ideas and intuition behind model selection and evaluation, and selected machine learning methods such as random forests, support vector machines, and hidden Markov models.

PR: COMP 3200; or COMP 2001 and COMP 2002 and Statistics 2550

Abbreviated Course Title: Intro to Machine Learning”

Page 526, 2016-2017 Calendar, under the heading 10.4.2 Second Year Courses, amend the calendar entry as follows:

“2300 Introduction to Multimedia Programming is an introduction to programming and computer science with an emphasis on the

Department of Computer Science (cont'd)

development of multimedia applications. The course introduces the fundamental principles of programming, including object-oriented and event-driven programming. Students will develop an understanding of 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.

CR: COMP 1550

LH: 3

PR: COMP 1000

Abbreviated Course Title Intro Multimedia Programming”

Page 526, 2016-2017 Calendar, under the heading 10.4.1 First Year Courses, amend the calendar entry as follows:

“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.

CR: COMP 2300

LH: 3”

Page 527, 2016-2017 Calendar, under the heading 10.4.3 Third Year Courses, amend the calendar entry as follows:

“3300 Interactive Technologies provides exposure to traditional desktop, mobile and games contexts with respect to interaction design theory and practice. The impact of context on design principles is explored. An introduction to each programming context will be provided and a minimal set of software development tools for each context will be introduced. Practical application of interaction design principles will involve design and prototyping of desktop, mobile and games applications.

PR: COMP 2001

3301 Visual Computing and Applications provides students with the fundamental knowledge and skills in the fields of computer vision, computer graphics, and visualization. Visual perception is responsible for most of our impressions about the world around us. This course introduces how computers are used to both mimic the human visual

Department of Computer Science (cont'd)

system (e.g., recognize shapes) and to create visual content (e.g. synthesize images). Related techniques on image synthesis, processing and analysis are discussed under a unified framework. How visual computing principles were used to create visual effects in movies and commercials is also examined.

PR: COMP 2002

Abbreviated Course Title: Visual Comput and App

Page 528, 2016-2017 Calendar, under the heading 10.4.4 Fourth Year Courses, amend the calendar entry as follows:

“4300 Introduction to Game Programming is an introductory course for students interested in learning the fundamentals of game programming. Topics include vector math for games, fundamentals of rendering, introduction to animation and artificial intelligence, collision detection, game physics and user-interfaces. Students are required to write a fully functional game during the course.

PR: COMP 2001

Abbreviated Course Title: Intro to Game Programming

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

CR: Engineering 8814

PR: COMP 3301 or Engineering 7854 or permission of the instructor

Abbreviated Course Title: Computer Vision

Page 160, 2016-2017 Calendar, under the heading 11.8 Academic Term 8 Courses, amend the calendar entry as follows:

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

CR: Computer Science 4301

PR: ENGI 7854 or Computer Science 3301 or permission of the instructor

Department of Computer Science (cont'd)

Page 528, 2016-2017 Calendar, under the heading 10.4.4 Fourth Year Courses, amend the calendar entry as follows:

“**4302 3D Computer Graphics** introduces the students to the state-of-the-art concepts and developments in the field of 3D computer graphics. The underlying algorithms, as well as the basic techniques to develop interactive 3D graphics systems including games and simulators, are presented. Topics of the course include 3D geometrical transformations, 3D projections, 3D modeling and rendering, 3D graphics languages and systems. Advanced photorealistic rendering and image-based rendering techniques may also be covered.

CR: COMP 4751

PR: COMP 3301

Abbreviated Course Title 3D Computer Graphics

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.

CR: COMP 4302

LH: 3

PR: COMP 3719 and Mathematics 2050

4303 Artificial Intelligence in Computer Games provides an introduction to specific state-of-the-art algorithmic techniques and data structures that are used to efficiently implement human-like abilities (e.g., awareness, memory, rational decision-making (under uncertainty), movement, co-operation in groups) in computer game agents.

PR: COMP 3200

Abbreviated Course Title: AI in Computer Games

4304 Data Visualization covers interactive representation of data using a modern programming library. Topics include an introduction to the software platform and the principles for data selection, analysis, design and creation of dynamic visualizations. Students produce interactive web-based objects, addressing problems in the presentation and understanding of large data collections. The techniques discussed are applicable to different sources and types of data.

CR: COMP 4767

PR: COMP 2001, COMP 2002

Abbreviated Course Title: Data Visualization

4767 Information Visualization and Applications focuses on the design and implementation of interactive visualization techniques for the analysis, comprehension, exploration, and explanation of large

Department of Computer Science (cont'd)

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.

CR: COMP 4304

PR: COMP 2760 and COMP 3719”

Page 527, 2016-2017 Calendar, under the heading 10.4.3 Third Year Courses, amend the calendar entry as follows:

“3401 Introduction to Data Mining introduces students to the basic concepts and techniques for data mining and knowledge discovery. Students will develop an understanding of the essential data mining technologies, and be able to design and evaluate methods for simple data mining applications.

PR: COMP 2002, COMP 2007 and Statistics 2550

Abbreviated Course Title: Intro to Data Mining”

63. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

63.1 Marine Institute

It was moved by Dr. Surprenant, seconded by Dr. Ford, and carried that on page 667, 2016-2017 Calendar, following the section 25.5 Courses, insert the new calendar entry as following and renumbering subsequent sections accordingly:

“26 Regulations Governing the Degree of Master of Science in Fisheries Science

Vice-President (Marine Institute)

G. Blackwood

The Degree of Master of Science in Fisheries Science is a research-focused Master’s degree offered by the School of Fisheries, at the Fisheries and Marine Institute. The degree of Master of Science in Fisheries Sciences is offered in **Fisheries Science and Technology** and **Stock Assessment**.

An Academic Advisory committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). This committee will consist of an Academic Director as Chair, three members from the Marine Institute and two members from

Marine Institute (cont'd)

other academic units of the University. Normally, all appointments will be for a period of three (3) years.

26.1 Fisheries Science (Fisheries Science and Technology)

The Degree of Master of Science in Fisheries Science (Fisheries Science and Technology) is a research-focused Master's degree offered by the School of Fisheries, at the Fisheries and Marine Institute. This program is for students who aim to pursue a career in fisheries science, and includes skills training that will empower students to conduct publication-quality research in any aspect of fisheries science. The Degree is normally offered to full-time students. These regulations must be read in conjunction the **General Regulations** of the School of Graduate Studies of Memorial University of Newfoundland.

26.1.1 Qualifications for Admission

1. Admission is limited and competitive. To be considered for admission an applicant will normally hold at least a high second class Honours Degree, or an M.D. Degree, or the equivalent of either, both in achievement and depth of study, from an institution recognized by the Senate.
2. Any other applicant may 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 applicant demonstrates a commitment and passion for aquatic science, ideally in fisheries, through employment or experience in field schools, research programs, the fishing industry, regulatory agencies or government departments, non-governmental organizations, consulting activities, or other relevant activities.
3. Admission requirements related to English proficiency follows the SGS General Regulations – English Proficiency Requirements 4.1.5.

26.1.2 Program of Study and Research

1. Every candidate for the Master of Science in Fisheries Science (Fisheries Science and Technology) degree shall normally be required to complete all of:

Marine Institute (cont'd)

- 12 credit hours of course work, including:
 - ◆ FISH 6000: Science communication for fisheries
 - ◆ FISH 6001: Ecology, management, and practice of North Atlantic fisheries
 - ◆ FISH 6002: Data collection, management, and display
 - ◆ FISH 6003: Statistics and study design for fisheries science
 - A thesis composed of at least one chapter of original research.
2. Students may be required by their Supervisory Committee to take additional courses.
 3. All program course requirements should be completed within four semesters from the date of first registration in the M.Sc. degree program. Students will normally complete course requirements in their first two semesters.
 4. Within three months of the first registration in the M.Sc. degree program, the student will meet with their Supervisory Committee. A meeting report, signed by all members of the Supervisory Committee and student, must be given to the Academic Unit. A copy will be sent to the graduate student and to the Dean of Graduate Studies. Subsequent meetings must occur at least annually, with a report filed after each meeting.
 5. The student shall complete a written thesis proposal that is approved by the Supervisory and Supervisory Committee. The proposal shall be provided to the Head for inclusion in the student's file. After approval, the student shall orally present the proposal in a presentation open to the public.
 6. The candidate must present a thesis seminar of 20-30 minutes duration prior to submission of the thesis to the School of Graduate Studies. The candidate will be questioned by a panel approved by the Academic Advisory Committee, in consultation with the student's Supervisory Committee. All others in attendance will be invited to question the candidate before adjournment. Deficiencies noted at this stage should be carefully considered by the student and the Supervisory Committee prior to submission of the thesis for final examination.

Marine Institute (cont'd)

7. Theses shall conform to **Theses and Reports** of the **General Regulations** of the School of Graduate Studies.

26.1.3 Evaluation

- In order to continue in the School of 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. (See General Regulation **Evaluation, Evaluation of Graduate Students**).
- The Supervisor and the Supervisory Committee may recommend that a candidate be required to withdraw from the program, if after consultation with the candidate, it is determined that candidate is not making satisfactory progress towards completion of the program and the unsatisfactory progress is unlikely to be corrected.

26.1.4 Thesis

See General Regulation **Theses and Reports**.

Note:

*Every candidate in graduate studies shall comply with the **General Regulations**, the Degree Regulations, and any additional requirements of the appropriate academic unit.*

26.1.5 Courses

The following courses will normally be required for all students completing this Degree.

- FISH 6000: Science Communication for Fisheries
- FISH 6001: Ecology, Management, and Practice of North Atlantic Fisheries
- FISH 6002: Data Collection, Management, and Display
- FISH 6003: Statistics and Study Design for Fisheries Science

26.2 Fisheries Science (Stock Assessment)

The Degree of Master of Science in Fisheries Science (Stock Assessment) is a research-focused Master's degree offered by the School of Fisheries, at the Fisheries and Marine Institute. This program is for students who aim to pursue a specific career in quantitative stock assessment of fisheries. The Degree is normally offered to full-time students. These regulations must be read in conjunction the **General Regulations** of the School of Graduate Studies of Memorial University of Newfoundland.

Marine Institute (cont'd)

26.2.1 Qualifications for Admission

1. Admission is limited and competitive. To be considered for admission an applicant will normally hold at least a high second class Honours Degree, or an M.D. Degree, or the equivalent of either, both in achievement and depth of study, from an institution recognized by the Senate.
2. Applicants must be able to demonstrate a satisfactory knowledge of mathematics, statistics, and scientific computing.
3. Any other applicant may 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 applicant demonstrates a commitment and passion for mathematics or statistics, through employment or experience in field schools, research programs, regulatory agencies or government departments, non-governmental organizations, consulting activities, or other relevant activities.
4. Admission requirements related to English proficiency follows the SGS General Regulations – English Proficiency Requirements 4.1.5.

26.2.2 Program of Study and Research

1. Every candidate for the Master of Science in Fisheries Science (Stock Assessment) degree shall normally be required to complete:
 - 15 credit hours of course work, including:
 - ◆ FISH 6000: Science communication for fisheries
 - ◆ FISH 6001: Ecology, management, and practice of North Atlantic fisheries
 - ◆ FISH 6002: Data collection, management, and display
 - ◆ FISH 6004: Overview of statistical stock assessment
 - ◆ FISH 6005: Advanced statistical stock assessment
 - A thesis composed of at least one chapter of original research

Marine Institute (cont'd)

2. Students will normally complete course requirements in their first four semesters.
3. Within three months of the first registration in the M.Sc. degree program, the student will meet with their Supervisory Committee. A meeting report, signed by all members of the Supervisory Committee and student, must be given to the Academic Unit. A copy will be sent to the graduate student and to the Dean of Graduate Studies. Subsequent meetings must occur at least annually, with a report filed after each meeting.
4. Students may be required by their Supervisory Committee to take additional courses.
5. The student shall complete a written thesis proposal that is approved by the Supervisory and Supervisory Committee. The proposal shall be provided to the Head for inclusion in the student's file. After approval, the student shall orally present the proposal in a presentation open to the public.
6. The candidate must present a thesis seminar of 20-30 minutes duration prior to submission of the thesis to the School of Graduate Studies. The candidate will be questioned by a panel approved by the Academic Advisory Committee, in consultation with the student's Supervisory Committee. All others in attendance will be invited to question the candidate before adjournment. Deficiencies noted at this stage should be carefully considered by the student and the Supervisory Committee prior to submission of the thesis for final examination.
7. Theses shall conform to **Theses and Reports** of the **General Regulations** of the School of Graduate Studies.

26.2.3 Evaluation

- In order to continue in the School of Graduate Studies and in order to qualify for a Master's Degree, a candidate shall obtain a minimum B grade in each program course. (See General Regulation **Evaluation, Evaluation of Graduate Students**).
- The Supervisor and the Supervisory Committee may recommend that a candidate be required to withdraw from the program, if after consultation with the candidate, it is determined that candidate is not making satisfactory progress towards completion of the program and the unsatisfactory progress is unlikely to be corrected.

Marine Institute (cont'd)

26.2.4 Thesis

See General Regulation **Theses and Reports**.

Note:

*Every candidate in graduate studies shall comply with the **General Regulations**, the Degree Regulations, and any additional requirements of the appropriate academic unit.*

26.2.5 Courses

The following courses will normally be required for all students completing this Degree.

- FISH 6000: Science communication for fisheries
- FISH 6001: Ecology, management, and practice of North Atlantic fisheries
- FISH 6002: Data collection, management, and display
- FISH 6004: Overview of statistical stock assessment
- FISH 6005: Advanced statistical stock assessment"

Page 694, 2016-2017 Calendar, following the section **32.13.3 Courses**, insert the following new section as follows and renumber subsequent sections accordingly:

“32.14 Fisheries Science

Vice-President (Marine Institute)

G. Blackwood

The Degree of Doctor of Philosophy is offered in Fisheries Science to full-time and part-time students. These regulations must be read in conjunction the **General Regulations** of the School of Graduate Studies of Memorial University of Newfoundland.

An Academic Advisory Committee will be appointed by the Dean of Graduate Studies on recommendation of the Vice-President (Marine Institute). This Committee will consist of an Academic Director as Chair, three members from the Marine Institute and two members from other academic units of the University. Normally, all appointments will be for a period of three (3) years.

32.14.1 Admission and Program of Study

1. Admission into the Ph.D. program in Fisheries Science is normally restricted to candidates holding a Master's Degree or its equivalent. In exceptional circumstances, a candidate with a B.Sc. Degree who has spent not less than 12 months in an M.Sc. Degree program may be recommended for transfer into a Ph.D.

Marine Institute (cont'd)

program. For this transfer to be accepted, the candidate must demonstrate, to the satisfaction of the Supervisor and Supervisory Committee, their ability to pursue research at the doctoral level.

2. In addition to completing a thesis of original research, students will be required to take FISH 6000, 6001, and 6002. Depending on the student's background, their Supervisor and Supervisory Committee may deem the student to be exempt from completing any or all of these courses. Students may be required by their Supervisor and Supervisory Committee to take FISH 6003, 6004, and/or 6005.
3. Within three months of the first registration in the Ph.D degree program, the student will meet with their Supervisory Committee. It is the function of a Supervisory Committee to have regular meetings, at least annually, with its graduate student. A meeting report, signed by all members of the Supervisory Committee and student, must be given to the Academic Unit. A copy will be sent to the graduate student and to the Dean of Graduate Studies.
4. At the first committee meeting, the Supervisory Committee shall discuss the student's program and will explore areas of weakness in the candidate's knowledge, especially where these relate to the intended areas of research. The Supervisory Committee may require the student to take additional courses.
5. The student and the Supervisory Committee will agree on a written thesis proposal outlining the objectives, methods, timetable and funding for the project, and provide the proposal (signed by the student and the supervisory committee) to the Head for inclusion in the student's file. This proposal should be no more than five pages in length.
6. The student will present a research seminar to the Academic Unit, normally by the end of the third semester following admission, to describe the research topic being investigated and the methodologies to be employed. The Supervisory Committee should be present at this seminar. This seminar provides an opportunity for the student to receive constructive input from the broad research community.
7. Students must successfully complete a Comprehensive Examination, following the **General Regulations, Comprehensive Examinations, Ph.D. and Psy.D, Comprehensive Examination.** The comprehensive

Marine Institute (cont'd)

examination will be both written and oral. Students should consult Academic Unit Guidelines for further information and a detailed description of the content of the Comprehensive Examination.

8. Theses shall conform to **Theses and Reports** of the **General Regulations** of the School of Graduate Studies.

32.14.2 Courses

The following courses will be offered:

- FISH 6000: Science Communication for Fisheries
- FISH 6001: Ecology, Management, and Practice of North Atlantic Fisheries
- FISH 6002: Data Collection, Management, and Display
- FISH 6003: Statistics and Study Design for Fisheries Science
- FISH 6004: Overview of Statistical stock Assessment
- FISH 6005: Advanced Statistical Stock Assessment”

63.2 Business Administration

It was moved by Dr. Surprenant, seconded by Dr. Ford, and carried that on page 701, 2016-2017 Calendar, under the heading 32.23 Management, amend calendar entry as follows:

32.23 Management

www.business.mun.ca

Professor and Dean

W. Zerbe

The Degree of Doctor of Philosophy in Management is offered in the Faculty of Business Administration. The designation refers to management in the broad context. The Degree will offer specializations corresponding to functional areas in management. The Degree currently is offered with specializations in: (1) operations and information management, ~~and~~ (2) organizational behaviour and human resources management, and (3) general management.

The Degree of Doctor of Philosophy in Management is offered by full-time study to qualified candidates. The **General Regulations** of the School of Graduate Studies and the Degree Regulations of the Faculty of Business Administration outlined below, will apply.

Business Administration (cont'd)

32.23.1 Admission to the Ph.D. Program

Admission is limited and competitive. General qualifications for admission to the Ph.D. Programs at Memorial University of Newfoundland are set out under **General Regulations, Qualifications for Admission**. Applicants from all disciplines will be considered.

In addition:

1. Quantitative and qualitative competency are required as evidenced by an acceptable balanced GMAT (minimum score of 600) (or a minimum GRE score of 302).
2. An applicant who did not complete a Master's degree at a recognized university where English is the primary language of instruction must normally complete either the: Test of English as a Foreign Language (TOEFL) and achieve a paper-based score of 580 (or higher), computer-based score of 237 (or higher), or Internet-based score of 92-93 (or higher); or International English Language Testing System (IELTS) and achieve a score of 7 (or higher).

Information regarding the TOEFL is available from the Educational Testing Service at www.ets.org. IELTS information is available at www.ielts.org. It is noted that other equivalent tests acceptable to the School of Graduate Studies will also be considered.

32.23.2 Supervisory Committee

Until a supervisory committee has been formed, the Ph.D. Program Director will be the designated advisor of each Ph.D. student. Each candidate will have a supervisory committee consisting of three or more members, at least two of whom shall be members of the Faculty of Business Administration. The thesis Supervisor shall be a doctorally qualified faculty member in the Faculty of Business Administration, Memorial University of Newfoundland, having a recent (past five years) research track record suitable to provide research supervision at the Ph.D. level. The supervisory committee will be appointed no later than the end of the first year of studies.

Students are encouraged to find a Supervisor within the first year of the program and, together with the Supervisor, find the remaining committee members by the time all required courses are completed.

32.23.3 Components of Study

32.23.3.1 Courses

Students are required to complete successfully a program of courses, normally over the first two years of the program. Students without an adequate background in the functional areas of business may be

Business Administration (cont'd)

required to take additional breadth courses. Such determination will be made by the Graduate Research Programs Committee when a student is accepted into the program.

Required for all Specializations

Philosophy 6015 Theory of Knowledge

Business 9901 Approaches to Management Research

One of

Business 9902 Modelling Methods In Management Research

Business 9903 Quantitative Methods In Management Research*

Business 9904 Qualitative Methods In Management Research**

Business 9901 is to be completed before any of Business 9902, 9903, 9904 is attempted. In exceptional cases Business 9901 may be completed concurrently with 9902, 9903 or 9904, with approval from the Director of the Program and the Supervisor.

*Alternatively, students may elect to take an equivalent quantitative methods graduate course on the approval of the Ph.D. Program Director and the Supervisor.

**Alternatively, students may elect to take an equivalent qualitative methods graduate course on the approval of the Ph.D. Program Director and the Supervisor.

***Note:** Waivers shall not be granted in the Ph.D. program for previously completed course work at either the undergraduate or master's level.*

Operations and Information Management (OIM) Specialization Courses

In addition to the above-noted courses required for all specializations, the following courses are required for the Operations and Information Management specialization.

1. Four of the following courses:

Business 9910 Optimization

Business 9911 Data and Process Models in Information Systems Development

Business 9912 Probabilistic Models

Business 9913 Human-Computer Interaction and Decision Support Systems

Business 9914 Supply Chains: Models and Management

Business 9915 Electronic Commerce

Business 9917 Special Topics in Operations Management

Business 9918 Special Topics in Information Systems

Business Administration (cont'd)

1.2. Two graduate courses subject to the approval of the Director of the Program and the Supervisor

Recommended Sequence for Operations and Information Management (OIM) Specialization Table

Semester	Courses
Year 1 Fall	Philosophy 6015 Theory of Knowledge BUSI 9901 Approaches to Management Research BUSI 9910 Optimization BUSI 9911 Data and Process Models in Information Systems Development Two of *, **, *** <u>Business 9910 Optimization</u> <u>Business 9911 Data and Process Models in Information Systems Development</u> <u>Business 9912 Probabilistic Models</u> <u>Business 9913 Human-Computer Interaction and Decision Support Systems</u> <u>Business 9914 Supply Chains: Models and Management</u> <u>Business 9915 Electronic Commerce</u> <u>Business 9917 Special Topics in Operations Management</u> <u>Business 9918 Special Topics in Information Systems</u>
Year 1 Winter	BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research BUSI Probabilistic Models BUSI Human-Computer Interaction and Decision Support Systems Two of *, **, *** <u>Business 9910 Optimization</u> <u>Business 9911 Data and Process Models in Information Systems Development</u> <u>Business 9912 Probabilistic Models</u> <u>Business 9913 Human-Computer Interaction and Decision Support Systems</u> <u>Business 9914 Supply Chains: Models and Management</u> <u>Business 9915 Electronic Commerce</u> <u>Business 9917 Special Topics in Operations Management</u> <u>Business 9918 Special Topics in Information Systems</u>
Year 1 Spring	Summer Research Project

Year 2 Fall	BUSI 9914 Supply Chain: Models and Management* BUSI 9915 Electronic Commerce <u>Two graduate courses subject to the approval of the supervisor</u> Graduate Program in Teaching (Recommended (non-credit))
Year 2 Winter	BUSI 9917 Special Topics in Operations Management* BUSI 9918 Special Topics in Information Systems**

Notes:

1. * -A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow
2. ** Students who are planning to specialize in Information Systems are advised to take Business 9911, Business 9913, Business 9915, and Business 9918.
3. *** Students who are planning to specialize in Operations Management are advised to take Business 9910, Business 9912, Business 9914, and Business 9917
1. ~~* Students who are planning to specialize in Information Systems can substitute appropriate graduate courses for BUSI 9914 and 9917 on the approval of the Director of the Program and the Supervisor.~~
2. ~~** Students who are planning to specialize in Operations Management can substitute appropriate graduate courses for BUSI 9915 and 9918 on the approval of the Director of the Program and the Supervisor.~~

**Organizational Behaviour and Human Resources Management
Specialization Courses**

In addition to the above-noted courses required for all specializations, the following courses are required for the Organizational Behaviour and Human Resources Management specialization.

1. Required courses:
Business 9920 Foundations in Organizational Behaviour
Business 9921 Foundations in Human Resources Management
Business 9924 Current Issues in Organizational Behaviour
Business 9925 Current Issues in Human Resources Management
2. Four Two of:
~~Business 9922 Foundations in Industrial Relations~~
Business 9923 Foundations in Organizational Theory
~~Business 9926 Current Issues in Industrial Relations~~
Business 9927 Current Issues in Organizational Theory
Business 9928-9939 Special Topics in Organizational Behaviour/Human Resources Management

Any other graduate course subject to the Director of the Program and the Supervisor

Business Administration (cont'd)

Recommended Sequence for Organizational Behaviour and Human Resources Management Specialization Table

Semester	Courses
Year 1 Fall	Philosophy 6015 Theory of Knowledge BUSI 9901 Approaches to Management Research BUSI 9920 Foundations of Organizational Behaviour BUSI 9921 Foundations of Human Resources Management
Year 1 Winter	BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research Business 9924 Current Issues in Organizational Behaviour Business 9925 Current Issues in Human Resources Management
Year 1 Spring	Summer Research Project
Year 2 Fall	Two of: BUSI 9922 , 9923, 9926 , 9927, 9928-9939* or any other graduate course subject to the approval of the Supervisor (** Offerings subject to scheduling) Graduate Program in Teaching (Recommended (non-credit))
Year 2 Winter	Two of: of: BUSI 9922, 9923, 9926, 9927, 9928-9939 or any other graduate course subject to the approval of the Supervisor (** Offerings subject to scheduling)

Notes:

- * A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow*

General Management Specialization Courses

In addition to the above-noted courses required for all specializations, the following courses are required for the General Management specialization.

3. Required courses:

Business 9923 Foundations in Organizational Theory
Business 9927 Current Issues in Organizational Theory

- Four graduate courses subject to the approval of the Director of the Program and the Supervisor

Recommended Sequence for General Management Specialization Table

<u>Semester</u>	<u>Courses</u>
<u>Year 1 Fall</u>	<u>Philosophy 6015 Theory of Knowledge</u> <u>BUSI 9901 Approaches to Management Research</u> <u>BUSI 9923 Foundations of Organizational Theory</u> <u>One graduate course subject to the approval of the Supervisor*</u>

<u>Year 1 Winter</u>	<u>BUSI 9902 (Modelling), 9903 (Quantitative), or 9904 (Qualitative) Methods in Management Research Business 9927 Current Issues in Organizational Theory</u> <u>One graduate course subject to the approval of the Supervisor *</u>
<u>Year 1 Spring</u>	<u>Summer Research Project</u>
<u>Year 2 Fall</u>	<u>Two graduate courses subject to the approval of the Supervisor*</u> <u>Graduate Program in Teaching (Recommended (non-credit))</u>

Notes:

2. * A selection of courses will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow

32.23.3.2 Summer Research Project

During the first summer in the program, students will complete a research project under the supervision of a qualified faculty member in the area of specialization. Projects must be presented at a Faculty of Business Administration research seminar during the second year of the program.

32.23.3.3 Research Seminar Participation

Students are expected to attend research seminars offered by the Faculty of Business Administration in their discipline. Presentation of student conference papers where the Faculty of Business Administration funds travel is expected at a Faculty of Business Administration research seminar. In addition, students may be requested to present their work at other Faculty seminars where and when feasible.

32.23.3.4 Comprehensive Examination

Students shall undertake a mandatory written comprehensive examination, following General Regulation **Comprehensive Examinations, Ph.D. Comprehensive Examination**, which sets out the procedures for the comprehensive examination.

In addition:

1. A candidate in the Ph.D. Program in Management shall normally take the written Comprehensive Examination by the end of the seventh semester of the program. The candidate must have successfully completed all required courses prior to writing the Comprehensive Examination. The scope of the Comprehensive Examination will be determined by the Examining Committee (as defined in General Regulation **Comprehensive Examinations, Ph.D. Comprehensive Examination**) under the guidance of the Supervisory Committee.
2. A list of topics/areas for the Comprehensive Examination will be provided to the student no later than three months prior to the date of the examination.

Business Administration (cont'd)

3. The written examination will take place in three phases over a one-week period.
4. Based on the results of the written examination, the Examining Committee may schedule a supplementary oral examination on any topics covered on the written examination. The oral examination request must be made to the Dean within two weeks of completion of the written examination. The oral examination, if any, must take place within six weeks of completion of the written examination.
5. The scheduling of the Comprehensive Examination will be initiated by the student's Supervisor who will notify the Dean of the Faculty of Business Administration or designate. The date of the written examination will be determined by the Dean of the School of Graduate Studies. The student will be provided with written notice of the scheduled dates of the written examinations. In the case of oral examinations, requests will be initiated by the Examining Committee or the student (as described above in 4.) through the School of Graduate Studies.

32.23.3.5 Ph.D. Thesis Regulations

1. The candidate must submit a thesis proposal to all members of the Supervisory Committee for evaluation and approval by the end of the eighth semester of the program. Within one month of submitting the proposal, the Candidate will give a public oral presentation of the proposal, attended by the Committee. The presentation will provide the Committee and others in attendance with an opportunity to raise questions about the proposal research. Immediately following the presentation, the Supervisory Committee will meet to assess the proposal. Assessment will result in one of the following three outcomes: (1) accept; (2) accept with changes; or (3) reject. The results of this assessment will be provided to the student following the meeting. Assessments of accept with changes or reject will be accompanied by written comments within one week of the proposal presentation.
2. If the proposal is rejected, the candidate will be permitted a second proposal. This proposal must be submitted and deemed acceptable by the Supervisory Committee within four months of the original proposal presentation. Failure to resubmit within this time period will lead to termination of the candidate's program.
3. The Ph.D. thesis will constitute an independent and original research contribution.
4. The Ph.D. thesis will be evaluated according to the process established in General Regulation **Theses and Reports, Evaluation of Ph.D. Theses** governing the School of Graduate Studies."

64. ANY OTHER BUSINESS

64.1 Lost Teaching Time Due to Storms

A memorandum dated February 23, 2017, was received from Jennifer Porter, Registrar (Interim), regarding lost teaching time due to storms for the Winter 2017 semester.

Ms. Porter noted that onn February 17, 2017, a meeting was held to discuss the loss of teaching days in Winter 2017 as a result of storm closures. The following people were present:

- Mr. Andrew Kim, Director, Enrolment Services, School of Graduate Studies
- Ms. Sharon Noftall-Bennett, Registrar, Grenfell Campus
- Ms. Leslie Noftall, Registrar, Marine Institute
- Ms. Jennifer Porter, University Registrar (Interim)
- Dr. Shannon Sullivan, Chair, Senate Committee on Undergraduate Studies
- Ms. Carol Tibbo, Deputy Registrar (Acting)

The Senate Digest of Decrees and Resolutions states that:

“Each Fall and Winter semester shall consist of:

1. at least 12 working Mondays, Tuesdays, Wednesdays, Thursdays and Fridays.
2. A mid-semester break of at least two weekdays in the Fall semester, one of which may be a statutory holiday, and five weekdays in the Winter semester, one of which may be a statutory holiday;
3. a study break of at least two weekdays between the last day of classes and the start of examinations; and
4. a formal examination period.”

Prior to the approval of the week-long break, the winter semester would typically have one, possibly two buffer days (13 instead of 12), which would help make up days lost due to weather. This is not the case for the Winter 2017 semester as there is only 12 of each weekday to begin with.

Ms. Porter noted that our records show the following closures for the St. John’s and MI campuses:

Monday, January 16 - closed for morning; reopened 1pm

Monday, February 6 - closed for morning and early afternoon; reopened at 5pm

Lost Teaching Time Due to Storms (cont'd)

Tuesday, February 14 - closed entire day

Wednesday, February 15 - closed entire day

Grenfell Campus has lost the following time:

Monday, February 6 – closed from 12:30 – 5 p.m.

Tuesday, February 7 – Closed 8:30 – 5 p.m.

Friday, February 10 – Closed 2 – 4:30 p.m.

Given the amount of teaching time that we have already lost and the fact that it is just mid-February, the group recommends that Senate consider approving the following:

1. Waive the requirement of at least 12 working Mondays, Tuesdays, Wednesdays, Thursdays and Fridays for Winter 2017 for all campuses of Memorial University.
2. Endorse the encouragement of all instructors to make every effort to make up missed classes. If a makeup class is not possible, at a minimum instructors should arrange, where possible, to have missed material made available via online technology, through email or through the University Library system. Evaluations should not occur during any makeup classes. Communication on this issue could be forwarded by the Provost to all Deans for circulation to instructors.
3. Use Saturdays to formally reschedule missed teaching time should additional time be lost due to closures. While not common, Saturdays have been used in the past. Communication would be circulated to the entire university community - classrooms would be set aside for use, instructors would be encouraged to provide the makeup class but would be told that evaluations could not occur on the Saturday.
4. Senate Committee on Undergraduate Studies be asked to consider a more permanent solution to the issue.

It was moved by Ms. Porter that Senate endorse these four recommendation.

Discussion then ensued raising the following points:

- Classroom rescheduling is challenging - Promote the use of D2L more
- Nursing clinicals – CNS nurses do not work weekends
- Challenged in both directions by students

Lost Teaching Time Due to Storms (cont'd)

- The use of Saturdays – Regulation 6.6 Attendance not mandatory – should be no punishment for missing time
- Economic implications
 - With budget restrictions, it would be hard to pay Lab instructions for a Saturday
 - The Vice-President (Academic) and Dean of unit would have to find the resources
- What was the plan when we approved the week-long break for Winter semester?
 - We need a buffer zone for the Winter semester

It was then moved by Dr. McKay, seconded by Dr. Gaudine, and carried that Senate endorse these four recommendations.

64.1 Membership of the Teaching and Learning Committee

A memorandum dated February 20, 2017, was received from Jennifer Porter, Secretary, Senate Committee on Elections and Committees, regarding the membership of the Teaching and Learning Committee.

Ms. Porter noted that at a meeting held on November 8, 2016, Senate agreed that a Teaching and Learning Committee be created. The membership of the Committee is as follows:

Membership:

- a) An appropriate number of Teaching and Learning Chairs
- b) An appropriate number of additional academic staff members
- c) University Librarian, or delegate
- d) University Registrar, or delegate
- e) Director of the Centre for Institutional Analysis and Planning (CIAP), or delegate
- f) Director of the Centre for Innovation in Teaching and Learning (CITL), or delegate
- g) Manager, Teaching and Learning Supports, CITL
- h) Three undergraduate students, one appointed by the Memorial University Students' Union, one by the Marine Institute Students' Union, and one by the Grenfell Campus Student Union
- i) One graduate student, appointed by the Graduate Students' Union

Ms. Porter stated that the Senate Committee on Elections and Committees has reviewed the nominations/volunteers as well as the ex-officio members received for the Teaching and Learning Committee and is now forwarding to Senate for approval:

Membership of the Teaching and Learning Committee (cont'd)

Teaching and Learning Chairs:

Dr. Karen Goodnough, Faculty of Education
Dr. Rie Croll, Grenfell Campus
Dr. Caroline Porr, School of Nursing
~~Dr. John Hawboldt~~ Dr. Beverly FitzPatrick, School of Pharmacy
Dr. T.A. Loeffler, School of Human Kinetics and Recreation
Dr. Danny Dyer, Faculty of Science
Dr. Delores Mullings, School of Social Work
Dr. Janna Rosales, Faculty of Engineering and Applied Science

Nominations/volunteers - Academic Staff Members:

Dr. Ailsa Craig, Humanities and Social Sciences (Sociology)
Ms. Becky Smith, QEll Library
Dr. Michael Skipton, Faculty of Business Administration
Ms. Christine Molly, Marine Institute
Dr. Jim Connor, Faculty of Medicine

Ms. Susan Cleyle, University Librarian or delegate

Ms. Jennifer Porter, University Registrar or delegate

Mr. Paul Chancey, Director of CIAP, or delegate

Mr. Rob Wells, Director of CITL, or delegate

Ms. Kim Myrick, Manager, CITL Teaching and Learning Supports

Three Undergraduate Students:

Ms. Hillary Bellows, MUNSU
Mr. Zach Green, MISU
Ms. Sofia Descalzi, GCSU

One Graduate Student:

Mr. Emadeddin Hussein

It was moved by Dr. George, seconded by Professor Fisher, and carried that the membership of the Teaching and Learning Committee be approved. Dr. Bishop noted that the Teaching and Learning Chair for the School of Pharmacy is Dr. Beverly FitzPatrick and not Dr. John Hawboldt.

65. REMARKS FROM THE CHAIR - QUESTIONS/COMMENTS
FROM SENATORS

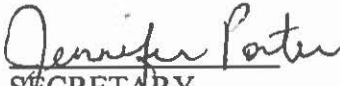
The President commented on the following:

- Update on the university budget.
- March 2nd tenders close for Core Science Building.
- Animal Care building tenders to go out for proposals.
- Discussions leading up to Federal Budget.
- The Search Committee for the Vice-President (Research) have been named.
- The Search Committee for the Vice-President (Grenfell) is moving forward.
- Labrador Institute Research Day cancelled due to a snow day and rescheduled for end of April/early May.
- Acknowledged the University's statement on Travel Band.
- Dr. Steven Carr read a personal statement regarding the Travel Band in regards to the University's statement that was released.
- In response to a question from a Senator, gave an update on the Reid Theatre.

66. ADJOURNMENT

The meeting adjourned at 5:20 p.m.

CHAIRMAN



SECRETARY