

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on September 12, 2017 at 4:00 p.m. in the Lecture Theatre in the Physical Education Building, Room 2001.

1. PRESENT

The President, Dr. N. Golfman, Dr. M. Abrahams, Mr. G. Blackwood, Dr. C. Reynolds, Dr. K. Anderson, Ms. S. Cleyle, Dr. M. Courage, Dr. I. Dostaler, Dr. A. Gaudine, Dr. D. Hardy Cox, Dr. T. Hennessey (via videoconferencing), Dr. M. Hunter (for Deputy Minister, Advanced Education, Skills and Labour), Ms. J. Porter, Dr. L. Robinson (via videoconferencing), Ms. B. Simmons, Dr. A. Sullivan, Dr. A. Surprenant, Dr. I. Sutherland, Dr. S. Abhyankar, Dr. J. Blundell, Mr. P. Brett, Dr. J. Connor, Professor A. Fisher, Dr. I. Fleming, Dr. G. George, Dr. M. Haghiri (via videoconferencing), Dr. J. Hawboldt, Mr. D. Howse, Dr. D. Kelly, Dr. J. Leibel, Dr. J. Lokash, Dr. A. Loucks-Atkinson, Dr. S. McConnell, Dr. M. Mulligan, Dr. K. Parsons, Dr. A. Rose, Dr. R. Russell, Dr. A. Sarkar, Dr. K. Simonsen, Ms. H. Skanes, Dr. K. Snelgrove, Dr. C. Thorpe, Mr. M. Waller (via videoconferencing), Professor D. Walsh, Dr. M. Woods, Mr. A. Alkasasbeh, Mr. M. O'Keefe, Mr. C. Samson.

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

Dr. Shannon Sullivan

The President welcomed Senators to the first meeting of Senate for the new academic year. He thanked everyone agreeing to be a part of Senate. It is the key governance structure for the University. He gave a special welcome to the following new and returning Senators:

New Dean of Business Administration

Dr. Isabelle Dostaler (effective September 1, 2017)

Acting Dean of Engineering and Applied Science

Dr. Dennis Peters (September 1, 2017 - November 30, 2017)

Dean (Interim) of Humanities and Social Sciences

Dr. Arthur Sullivan (July 1, 2017 - October 1, 2017)

Vice-President (Research) Pro Tempore

Dr. Mark Abrahams (effective September 1, 2017)

New and re-elected Senators

Ms. Heather Skanes - Business Administration
Mr. Derek Howse - Marine Institute
Dr. Atanu Sarkar - Medicine
Dr. Sheri McConnell - Social Work
Dr. Dennis Peters - Engineering
Dr. Kenneth Snelgrove - Engineering
Dr. Julie Brittain, Humanities and Social Sciences
Dr. Michael Woods, Medicine
Dr. Jane Leibel, Music
Dr. John Hawboldt, Pharmacy
Ms. Ingrid Percy - Fine Arts (Grenfell Campus)
Mr. Michael Waller - Fine Arts (Grenfell Campus)
Professor Donna Walsh - English (re-elected)

New GSU Representatives

Mr. Hesam Nejad
Mr. Ahmad Alkasasbeh

Attending by Invitation for Proposed New MBA in Social Enterprise and Entrepreneurship

Dr. Peggy Coady, Faculty of Business Administration

Attending by Invitation for Academic Unit Planning Procedures for the St. John's Campus and Marine Institute

Dr. Linda Rohr, Chair, Academic Unit Planning Committee
Mr. Paul Chancey, Director, Centre for Institutional Analysis and Planning

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

2. **APOLOGIES FOR ABSENCE**

Apologies were received from Dr. M. Steele, Dr. F. Kerton, Ms. I. Percy, Dr. C. Purchase, Dr. W. Schipper, Mr. H. Nejad.

3. **MINUTES**

It was moved by Dr. George, seconded by Dr. Abhyankar, and carried that the Minutes of the regular meeting held on May 9, 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 4-7 below, be approved as follows:

4. **REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES**

4.1 **Department of Political Science**

Page 394, 2017-28 Calendar, under the heading 14.26 Political Science, add the following new courses:

“3285 Sport and Politics in the Age of Globalization focuses on three points of interaction between sport and politics: the politics of sport, the use of sport by political actors, and the national and international aspects of sport governance i.e. the national and international regulation of sport by sport organizations, stakeholders and political authorities. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

Abbreviated Course Title: Sports, Politics & Global Age

3295 Migration and Security explores how population movements, both within and across borders, impact international, national and human security. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS

Abbreviated Course Title: Migration and Security

4375 – Politics of State-Making and State-Breaking examines how nationalism interacts with the creation and breakup of modern states. It explores the processes of national homogenization, and the political dynamics of multinational states, from nationalist challenges to constitutional change and successful and unsuccessful secession. It combines theoretical and conceptual materials with case studies from around the world.

Abbreviated Course Title: State-Making & State-Breaking”

Page 285, 2017-18 Calendar, under the heading 6.2.3 International Studies (IS) Courses Requirement, amend “Table 3 International Studies (IS) Designated Courses” as follows:

Department of Political Science (cont'd)

Table 3 International Studies (IS) Designated Courses

2000-level	3000-level	4000-level (minimum 6 credit hours)
Anthropology 2412, 2413 English 2122 Folklore 2500 Geography 2001, 2102, 2302 History 2065, 2500, 2510, 2800 Political Science 2200 Sociology 2250	Anthropology 3200, 3083, 3260, 3409 Economics 3030, 3150 English 3160 Folklore 3100, 3250, 3360 French 3654 Gender Studies 3008, 3025 Geography 3420, 3510, 3620, 3800 History 3030, 3765, 3807 Political Science 3210, 3220, 3250, 3260, <u>3285</u> , <u>3290</u> , <u>3295</u> Sociology 3260	Anthropology 4415, 4416 Economics 4030, 4031 Folklore 4470 Folklore/Religious Studies 4460 Geography 4300 History 4419, 4421 Political Science 4210, 4215, 4230, 4255, 4290 Sociology 4093, 4230

Page 348, 2017-28 Calendar, under the heading 13.16.4 Honours in Political Science, amend section to read as follows:

“13.16.4 Honours in Political Science

~~2. In addition to meeting the general requirements for the degree, students for a B.A.(Hons.) in Political Science must complete at least 60 credit hours in courses offered by the Department, including:~~

- ~~a. POSC 1000;~~
- ~~b. a minimum of 12 credit hours at the 2000 level, which must include POSC 2100, 2800, and a minimum of two of POSC 2200, 2300, 2600;~~
- ~~c. a minimum of 36 credit hours at the 3000 level or above, which must include;~~
 - ~~i. a minimum of 18 credit hours at the 3000 level, which must include POSC 3010, a minimum of 3 credit hours from a course numbered 32xx or 33xx, and a minimum of 3 credit hours from a course numbered 36xx or 38xx;~~
 - ~~ii. a minimum of 15 credit hours at the 4000 level, which must include POSC 4010, 4011; and~~
 - ~~iii. an additional 3 credit hours at the 3000 level or above; and~~
- ~~d. a further 9 credit hours in Political Science (no more than 3 credit hours from POSC 1010 and 1020). Honours students are strongly encouraged to complete POSC 1001.~~

2. In addition to meeting the general requirements for the degree, students for a B.A.(Hons.) in Political Science must complete at least

Department of Political Science (cont'd)

- 60 credit hours in courses offered by the Department, including:
- a. 18 credit hours in POSC 1000, 2100, 2800, 3010, 4010, 4011;
 - b. a minimum of 6 credit hours in Political Science courses numbered x2xx and/or x3xx;
 - c. a minimum of 3 credit hours in Political Science courses numbered x6xx and/or x8xx (in addition to 2800);
 - d. 27 credit hours at the 3000 or 4000 level (in addition to 3010), including a minimum of 9 credit hours at the 4000 level (in addition to 4010 and 4011); and
 - e. a further 6 credit hours in Political Science at any level.

Table 2 Suggested Course Pattern for an Honours in Political Science (POSC)

Term	Political Science Courses (POSC)	Credit Hours
Fall Academic Term 1	POSC 1000	3
Winter Academic Term 2	POSC 1001, 2800 (POSC 1001 is a recommended choice)	6
Fall & Winter Academic Terms 3 and 4	POSC 2100 and two of 2200, 2300 or 2600-x2xx or x3xx One of POSC 36xx or 38xx-x6xx or x8xx	12
Fall & Winter Academic Terms 5 and 6	POSC 3010 and five other 3000-levels (at least one of 32xx or 33xx) One POSC course at the 4000-level (depends upon level of courses taken in previous year)	21
Fall Academic Term 7	POSC 4010 Two other POSC courses at the 4000-level	9
Winter Academic Term 8	POSC 4011 Two other POSC courses at the 3000- or 4000-levels	9

Page 349, 2017-2018 Calendar, under the heading 13.16.5 Major in Political Science, amend the section to read as follows:

“13.16.5 Major in Political Science

- ~~1. In addition to meeting the general requirements for the degree, students for a B.A. with a Major in Political Science must complete at least 42 credit hours in courses offered by the Department, including:~~
 - ~~a. POSC 1000;~~
 - ~~b. a minimum of 12 credit hours at the 2000-level, which must include: POSC 2100, 2800 and a minimum of two of 2200, 2300, 2600;~~
 - ~~c. a minimum of 15 credit hours at the 3000 level, which must include: POSC 3010, a minimum of 3 credit hours from a course numbered 32xx or 33xx, and a minimum of 3 credit hours from a course numbered 36xx or 38xx;~~
 - ~~d. a minimum of 9 credit hours at the 4000-level; and~~
 - ~~e. further 3 credit hours in Political Science.~~

Department of Political Science (cont'd)

1. In addition to meeting the general requirements for the degree, students completing a Major in Political Science must complete 39 credit hours in courses offered by the Department, including:

- a. 12 credit hours in POSC 1000, 2100, 2800, 3010;
- b. a minimum of 6 credit hours in Political Science courses numbered x2xx and/or x3xx;
- c. a minimum of 3 credit hours in Political Science courses numbered x6xx and/or x8xx (in addition to 2800);
- d. 15 credit hours at the 3000 or 4000 level (in addition to 3010), including a minimum of 6 credit hours at the 4000 level; and,
- e. a further 3 credit hours in Political Science at any level.

Table 3 Suggested Course Pattern for a Major in Political Science (POSC)

Term	Political Science Courses (POSC)	Credit Hours
Fall Academic Term 1	POSC 1000	3
Winter Academic Term 2	POSC 1001, 2800 (POSC 1001 is a recommended choice)	6
Fall & Winter Academic Terms 3 and 4	POSC 2100 and two of 2200, 2300 or 2600 x2xx or x3xx One of POSC 36xx or 38xx x6xx or x8xx	12
Fall & Winter Academic Terms 5 and 6	POSC 3010 and three other 3000-levels (at least one of 32xx or 33xx) (<u>depends upon level of courses taken in previous year</u>)	12
Fall & Winter Academic Terms 7 and 8	Three <u>Two</u> 4000-level POSC courses	9-6

Page 350, 2017-2018 Calendar, under the heading 13.16.6.2 Concentration in Global Studies, amend “Table 4 Course Pattern for Optional Political Science (POSC) Concentration” as follows:

Table 4 Course Pattern for Optional Political Science (POSC) Concentration

Concentration	Courses for Political Science (POSC) Honours or Major
No Concentration	Honours: See Table 2 or Table 5 Major: See Table 3 or Table 6
Canadian Government	Follow applicable Table 2 , or Table 3, Table 5, or Table 6 , choosing 2600, three 36xx/38xx and three 46xx/48xx courses.
Global Studies	Follow applicable Table 2 , or Table 3, Table 5, or Table 6 , choosing 2200 and 2300, three 32xx/33xx and three 42xx/43xx courses. Up to two 31xx and/or 41xx courses may be included.

Department of Political Science (cont'd)

Page 351, 2017-2018 Calendar, under the heading 13.16.7.2 Program of Study, delete Table 5 and Table 6 as follows:

Table 5 Possible Course Pattern for the PSCE Program (Honours)

Term	Political Science Courses (POSC)	Credit Hours
Fall Academic Term 1	POSC 1000	3
Winter Academic Term 2	POSC 1001 POSC 2800	6
Fall Academic Term 3	POSC 2100 POSC 2600	6
Winter Academic Term 4	One of POSC 2200, 2300 One of POSC 36xx or 38xx	6
Spring Work Term 1	POSC 260W	0
Fall Academic Term 5	POSC 3010 One of POSC 32xx or 33xx One other POSC course at the 3000-level	9
Winter Academic Term 6	Two 3000-level POSC courses One 4000-level POSC course	9
Fall Work Term 2	POSC 360W	0
Winter or Spring Academic Term 7	POSC 4010 Two other POSC courses at the 3000 or 4000-level	9
Winter or Spring Work Term 3	POSC 460W	3
Fall Academic Term 8	POSC 4011 Two 4000-level POSC courses	9

Table 6 Possible Course Pattern for the PSCE Program (Major)

Term	Political Science Courses (POSC)	Credit Hours
Fall Academic Term 1	POSC 1000	3
Winter Academic Term 2	POSC 1001 POSC 2800	6
Fall Academic Term 3	POSC 2100 POSC 2600	6
Winter Academic Term 4	One of POSC 2200, 2300 One of POSC 36xx or 38xx	6

Spring Work Term 1	POSC 260W	0
Fall Academic Term 5	POSC 3010 One of POSC 32xx or 33xx	6
Winter Academic Term 6	One 3000 level POSC course	3
Fall Work Term 2	POSC 360W	0
Winter or Spring Academic Term 7	One 4000 level POSC course	3
Winter or Spring Work Term 3	POSC 460W	3
Fall Academic Term 8	Two 4000 level POSC courses	6

4.2 Department of Gender Studies

Page 380, 2017-2018 Calendar, under the heading 14.10 Gender Studies, add the following new course:

“3500 Justice, Politics, and Reproduction analyzes key issues related to justice, politics and reproduction with particular attention to the ways that domestic law and politics, in Canada and other transnational locations, shape regulations, social expectations, and practices.

Abbreviated Course Title: Justice Politics Reproduction”

Page 354, 2-17-2018 Calendar, under the heading 13.16.10.5 Course List, amend “Table 2 Other Faculty of Humanities and Social Sciences Courses Approved for the Major or Minor in Law and Society” as follows:

**“Table 2 Other Faculty of Humanities and Social Sciences Courses
Approved for the Major or Minor in Law and Society**

1000 and 2000 Level Courses	3000 Level Courses	4000 Level Courses
Anthropology 2260, 2413		
Archaeology 2492	<u>Gender Studies 3500</u>	
Philosophy 2230	Philosophy 3400	
Political Science 2600	Political Science 3290, 3810	Political Science 4215, 4360,
Religious Studies 2850	Sociology 3130, 3290, 3320	4370”
Sociology 2100		

Department of Gender Studies (cont'd)

Page 329, 2017-2018 Calendar, under the heading 13.9.5 Elective Courses, amend “Table 1 Gender Studies Elective Courses” as follows:

“Table 1 Gender Studies Elective Courses

- Anthropology 4081
- 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
- Gender Studies 3500
- 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
- Law and Society 3200
- 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”

Page 298, 2017-2018 Calendar, under the heading 7.9.5 Program of Study, amend “Table 2 Approved Alternate Courses for the Diploma in Police Studies” as follows:

“Table 2 Approved Alternate Courses for the Diploma in Police Studies

- Anthropology 2260
- Archaeology 2492
- Gender Studies 3500
- History 3560
- Law and Society 1000, 2000, 3012, 3014, 3015, 3016, 3300, 3400, 4000
- Philosophy 2400
- Police Studies 2200, 3100, 4000, 4001
- Political Science 3820, 4360
- Psychology 2800
- Sociology 2300, 3130, 3320, 4080, 4210”

Department of Gender Studies (cont'd)

Page 380, 2017-2018 Calendar, under the heading 14.10 Gender Studies, regularize the Special Topics course GNDR 3015 as follows:

“3015 Indigenous Feminisms in Theory and Practice examines the growing body of Indigenous feminist scholarship that has emerged from North America in recent decades. We look at a range of theoretical debates and activist practices taken up in this literature, which centers colonialism alongside gender (and other axes of social difference) as an analytic for understanding the lived realities of Indigenous women and their communities.

Abbreviated Course Title: GNDR 3015 Indigenous Feminisms”

Page 380, 2017-2018 Calendar, under the heading 14.10 Gender Studies, amend GNDR 3002-3020 as follows:

“3002-3020 (Excluding 3004, 3005 and, 3009 and 3015) Special Topics in Gender Studies (same as the former WSTD 3002-3020 excluding 3004, 3005 and, 3009 and 3015) will have topics announced by the Department.

CR: the former WSTD 3002-3020 excluding 3004, 3005 and, 3009 and 3015

PR: 3 credit hours in Gender Studies at any level”

Page 300, 2017-2018 Calendar, under the heading 8.5.4 Regulations for the Certificate in Aboriginal and Indigenous Studies, amend “Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies” as follows:

Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies

Theory Courses	“Past Courses”	“Present Courses”
Archaeology 1005 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 <u>Gender Studies 3015</u> Linguistics 2060 Political Science 3830

4.3 Department of History

Page 384, 2017-2018 Calendar, under the heading 14.16 History, add the following new course:

Department of History (cont'd)

“4500 Engaging the Environmental Humanities (Same as Geography 4500) explores the role of the environmental humanities in a setting beyond the traditionally defined class-room. While the initial weeks focus on providing students with the tool-kit and theoretical framework for engaging the environmental humanities, the course is mainly driven by projects designed and executed by students in collaboration with community partners.

CR: Geography 4500

PR: Enrolment in the Environmental Humanities Diploma or permission of instructor

Abbreviated Course Title: Engaging Environm Humanities”

Page 380, 2017-2018 Calendar, under the heading 14.11 Geography, add the following new course:

“4500 Engaging the Environmental Humanities (Same as History 4500) explores the role of the environmental humanities in a setting beyond the traditionally defined class-room. While the initial weeks focus on providing students with the tool-kit and theoretical framework for engaging the environmental humanities, the course is mainly driven by projects designed and executed by students in collaboration with community partners.

CR: History 4500

PR: Enrolment in the Environmental Humanities Diploma or permission of instructor

Abbreviated Course Title: Engaging Environm Humanities”

Page 384, 2017-2018 Calendar, under the heading 14.16 History, add the following new course:

“2001 History of Science and Technology introduces students to some of the debates regarding the creation and dissemination of knowledge, the relationship between science and technology, and the implications of new technologies on the societies in which they were and are currently being introduced from classical Greece and Rome to the present. We also examine the ethical dilemmas that some innovations have caused and the reasons for them.

Abbreviated Course Title: History of Science”

4.4 Departments of Geography and Sociology

Page 380, 2017-2018 Calendar, under the heading 14.11 Geography, add the following new course:

Departments of Geography and Sociology (cont'd)

“3015 Science, Technology, and Society (same as SOCI 3015) explores the relationships among science, technology, and society (STS). It is premised on the idea that science and technology affect our social, cultural, economic, and political lives. Equally, scientific research and technology development are shaped by their social, cultural, economic, and political contexts. This course draws upon the fields of anthropology, sociology, geography, history, and cultural studies, as STS is an interdisciplinary field.

PR: none

CR: Soci 3015

Abbreviated Course Title: Science Technology Society”

Page 402, 2017-2018 Calendar, under the heading 14.29 Sociology, add the follow new course:

“3015 Science, Technology, and Society (same as GEOG 3015) explores the relationships among science, technology, and society (STS). It is premised on the idea that science and technology affect our social, cultural, economic, and political lives. Equally, scientific research and technology development are shaped by their social, cultural, economic, and political contexts. This course draws upon the fields of anthropology, sociology, geography, history, and cultural studies, as STS is an interdisciplinary field.

PR: none

CR: Geog 3015

Abbreviated Course Title: Science Technology Society”

4.5 General Housekeeping from the Departments of Anthropology, Sociology, Geography, and History

Page 309, 2017-2018 Calendar, under the heading 13.1.4 Honours Degree, amend the section to read as follows:

“1. Admission: see Bachelor of Arts (Honours) Degree Regulations.
2. ~~Students intending an Honours program are required to complete 60 credit hours in Anthropology following the requirements in Major above, but in addition must include either Anthropology 4994 and 4995, or 4996. Thirty six of the 60 credit hours must be at the 3000 or 4000 level. Students must also meet the requirements of the Program Regulations — General and Honours Degrees. Honours students are required to complete 60 credit hours in Anthropology following the requirements of the Major. In addition students must include Anthropology 4994 and 4995. Thirty-six of the 60 credit hours must be at the 3000 or 4000 level. Students must also meet the requirements of the Program Regulations - General and Honours Degrees.”~~

General Housekeeping from the Departments of Anthropology, Sociology, Geography, and History (cont'd)

Page 360, 2017-2018 Calendar, under the heading 14.1 Anthropology, amend the section as follows:

~~“4996 Comprehensive Examination—inactive course.”~~

Page 402, 2017-2018 Calendar, under the heading 14.9 Sociology, amend the course description for Sociology 2300 as follows:

~~“**2300 Criminological Inquiry** introduces students to sociological models and research methods for understanding the phenomenon of “crime.” As a background for developing theory, this course will familiarize familiarizes students with the problems inherent in defining what it is we mean by “crime.” Once the underlying premises of the theories are tackled, students critically examine each theoretical perspective with a focus on assessing the validity of the approach, and how the theory works to guide public policy. challenges associated with defining and researching “crime”. Along with a critical examination of the different theories and methods in criminology, students consider the implications for policy.”~~

Page 380, 2017-2018 Calendar, under the heading 14.11 Geography, add the following new course:

~~“**4107 Feminist GeoTechnologies** (same as Sociology 4107) investigates the effects of technology in feminist social movements and technologies that exemplify feminist values and ideologies, particularly as they pertain to the Earth. Topics could include: ecofeminism and technology; assessing, designing, and building technologies from a feminist perspective; the gender politics of social-technological systems; information technologies in science; feminist geography; biotechnology and ecology; development in architecture and design. The course combines seminar discussions of reading with hands-on activities.
PR: 9 credit hours in any combination of SOCI, Gender Studies, Geography, Communication Studies 2000, Communication Studies 2001”~~

Page 402, 2017-2018 Calendar, under the heading 14.29 Sociology, amend Sociology 4107 as follows:

~~“**4107 Feminist GeoTechnologies** (same as Geography 4107, the former Women's Studies 4107) investigates the effects of technology on women's lives in feminist social movements and technologies that exemplify feminist values and ideologies, particularly as they pertain to the Earth. Topics could include: ecofeminism and technology The~~

General Housekeeping from the Departments of Anthropology, Sociology, Geography, and History (cont'd)

~~history of domestic and workplace technology~~; assessing, designing, and building technologies from a feminist perspective; the gender politics of social-technological systems; information technologies in science; feminist geography; biotechnology and ecology; development in architecture and design. The course combines seminar discussions of reading with hands-on activities.

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

PR: 9 credit hours in any combination of SOCI, Gender Studies, Geography, Communication Studies 2000, Communication Studies 2001”

Page 384, 2017-2018 Calendar, under the heading 14.16 History, amend History 3811 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. All sections of this course follow International Studies guidelines available at www.mun.ca/hss/IS”

Page 285, 2017-2018 Calendar, under the heading 6.2.3 International Studies (IS) Course Requirement, amend Table 3 International Studies (IS) Designated Courses as follows:

Table 3 International Studies (IS) Designated Courses

2000-level	3000-level	4000-level (minimum 6 credit hours)
Anthropology 2412, 2413 English 2122 Folklore 2500 Geography 2001, 2102, 2302 History 2065, 2500, 2510, 2800 Political Science 2200 Sociology 2250	Anthropology 3200, 3083, 3260, 3409 Economics 3030, 3150 English 3160 Folklore 3100, 3250, 3360 French 3654 Gender Studies 3008, 3025 Geography 3420, 3510, 3620, 3800 History 3030, 3765, 3807, <u>3811</u> Political Science 3210, 3220, 3250, 3260, 3290 Sociology 3260	Anthropology 4415, 4416 Economics 4030, 4031 Folklore 4470 Folklore/Religious Studies 4460 Geography 4300 History 4419, 4421 Political Science 4210, 4215, 4230, 4255, 4290 Sociology 4093, 4230

4.6 Diploma in Creative Writing

Page 294, 2017-2018 Calendar, under the heading 7.5 Diploma in Creative Writing, amend the section as follows:

“7.6 Diploma in Creative Writing

Program Coordinator: Dr. L. Mathews, Department of English

7.6.1 Program Description

~~The Diploma aims to develop students' skills in writing in a variety of genres conventionally described as “creative,” such as fiction, poetry, drama, and creative non fiction. It will also offer students the opportunity to take, as options, courses that provide a background in contemporary literature in these genres.~~

~~The eight course, 24 credit hour program will comprise at least five and as many as eight creative writing courses in at least three and as many as four genres. The overall aim of the program is to help students produce work that merits publication. To this end, the focus of the creative writing courses will be on the composition, critiquing, and editing of the students' own work, and, in both the creative writing and contemporary literature courses, on analysing examples of excellent contemporary writing.~~

7.6.2 Admission Requirements

~~As has traditionally been the case, students will compete for admission to individual Creative Writing courses via the portfolio system. The Diploma will be earned by accretion.~~

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.—~~

- ~~○ English 3900, English 3901, English 3902, English 3903, English 4910, English 4911, English 4912, and English 4913—~~

~~2.—The remaining courses must be taken from:~~

~~1.—additional courses from the above list~~

~~2.—one or more special topics courses in Creative Writing~~

~~3.—one or more of English 3100, 3155, 3156, 3158, 3160, 3161, 3171, 3172, 3173, 4080, 4270, 4302, 4822~~

~~4.—one or more of English 3910, 3911, 3912, 3913, 3914, 3920, 4914~~

Diploma in Creative Writing (cont'd)

5. ~~English 3911 and/or English 3912.~~

7.6 Diploma in Creative Writing

Program Coordinator: Dr. R. Finley, Department of English
<http://www.mun.ca/english/dcw>

The Diploma in Creative Writing gives students the opportunity to work intensively in a variety of creative genres, such as fiction, poetry, drama, screenwriting, and creative non-fiction. The overall aim of the program is to help students develop vigorous and robust writing practices through a focus on the composition, critiquing, and peer-editing of the students' own work together with close reading and analyses of models.

7.6.1 Advising

Throughout their program of study, students for a Diploma in Creative Writing shall contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here. The Coordinator shall normally communicate a tentative schedule of upcoming course offerings to students so that they can plan accordingly.

7.6.2 Admission Requirements

Students will be admitted to individual creative writing courses (excepting the introductory course, English 2905) via the writing portfolio system. Students interested in taking a creative writing course should contact the Program Coordinator or course instructor a minimum of 1 month prior to the start of the semester to discuss portfolio requirements (usually five to ten pages of the student's best writing in the appropriate genre). A student will be notified as to their admission status in a creative writing course after the instructor has reviewed the submitted writing portfolio.

7.6.3 Declaring the Diploma in Creative Writing

Students wishing to declare a Diploma in Creative Writing shall consult with the Program Coordinator to discuss the requirements of the program. 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.

7.6.4 Program of Study

Students are required to complete a minimum of 24 credit hours of course work from Table 1 *Courses Approved for the Diploma in Creative Writing*.

Diploma in Creative Writing (cont'd)

Table 1: Courses Approved for the Diploma in Creative Writing

<u>English</u>	2905
<u>English</u>	3900
<u>English</u>	3901
<u>English</u>	3902
<u>English</u>	3903
<u>English</u>	3904
<u>English</u>	4910
<u>English</u>	4911
<u>English</u>	4912
<u>English 4913</u>	

With written approval of the Program Coordinator and the Faculty's Committee on Undergraduate Studies, select other courses may be eligible towards the Diploma credit requirements. This includes special topics courses in creative writing that are offered from time to time, English 4999 when it is completed as a creative writing project, and select courses offered at Grenfell Campus and other institutions."

Page 369, 2017-2018 Calendar, under the heading 14.6 English, amend the section as follows:

"**2905 Introduction to Creative Writing** will introduce students to the basic techniques and tools in the writer's tool box in order to write original fiction, non-fiction and poetry. This course will explore examples of literature from these three genres and give students the opportunity to participate in peer-assessment and workshop critiques in order to develop the necessary skills for critical reading and creative writing.

PR: 6 credit hours of English including ENGL 1080 or ENGL 1090, or permission of the instructor.

3900 Introduction to Creative Writing: Fiction is conducted as a ~~seminar~~ workshop 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 in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

3901 Introduction to Creative Writing: Poetry is conducted as a ~~seminar~~ workshop using models of contemporary writing and the

Diploma in Creative Writing (cont'd)

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: the regular prerequisites for 3000-level offerings, plus submission of a portfolio specified by the instructor and permission of the instructor~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

3902 Introduction to Creative Writing: Playwriting is conducted as a ~~seminar~~ workshop 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: the regular prerequisites for 3000-level offerings, plus submission of a portfolio specified by the instructor and permission of the instructor~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

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

~~PR: the regular prerequisites for 3000-level offerings, plus submission of a portfolio specified by the instructor and permission of the instructor~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

3904 Writing Place is conducted as an online workshop for writers interested in exploring the possibilities for engaging with place through writing creative non-fiction.

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

Diploma in Creative Writing (cont'd)

4910 Advanced Creative Writing: Fiction is a ~~seminar~~ workshop 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.~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

4911 Advanced Creative Writing: Poetry is conducted as a ~~seminar~~ workshop using 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~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

4912 Advanced Creative Writing: Playwriting is conducted as a ~~seminar~~ workshop using models of contemporary dramatic 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~~

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited.

4913 Advanced Creative Writing: Nonfiction is conducted as a ~~seminar~~ workshop using models of contemporary writing and the students' own work. This course is designed for more practiced writers interested in exploring, and in extending, the possibilities of literary nonfiction toward creating publishable work in this genre.

~~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~~

Diploma in Creative Writing (cont'd)

PR: Normally, admission to this course will be based on the instructor's evaluation of the student's writing in the form of a writing portfolio submitted in the weeks prior to the beginning of the course (refer to the Diploma in Creative Writing). Class size will be limited."

4.7 Department of Classics

Page 365, 2017-2018 Calendar, under the heading 14.3.2 Greek and Roman Studies, amend the section as follows:

"2156 Gladiators and the arena: spectacles of death in ancient Rome is an introduction to the violent and dangerous spectacles of ancient Rome: gladiatorial combat, beast fighting, executions, and chariot-racing. Emphasis will be placed on exploring the historical details of these spectacles, their significance in relation to aspects of Roman society, and representations of Roman gladiators, the arena, and chariot-racing in modern culture.

Abbreviated Course Title: Gladiators and the arena

2902 The Environment of the Greeks and Romans is an introduction to the environment in the ancient Greek and Roman world. It gives an overview of our sources of information, research methods, the technology of exploitation of natural resources and associated problems, and the environment in the mythical imagination of the ancient Greeks and Romans.

Abbreviated Course Title: Greek and Roman Environment"

Add "CLAS 2902" to the column "Other Approved Courses" in Table 1 Approved Courses for the Diploma in Environmental Humanities. [Proposed Program approved under Regular Agenda]

Page 365, 2017-2018 Calendar, under the heading 14.3.2 Greek and Roman Studies, amend the section as follows:

"3901 Sailing the Wine-Dark Sea—Ships and Seamanship in the Ancient World is an introduction to ships and seamanship in the ancient Greek and Roman world. It gives an overview of our sources of information, research methods, the origins and technology of shipbuilding, types of vessels, navigation, nautical infrastructure, and the sea in the mythical imagination of the ancient Greeks and Romans.

Abbreviated Course Title: Ancient Ships and Seamanship

1900 Scientific Terms from Greek and Latin is an overview of the Greek and Latin origins of modern scientific and medical terminology.

Abbreviated Course Title: Sci Terms from Greek and Latin

Department of Classics (cont'd)

1001 Critical Reading and Writing: Classics in Popular Culture is an introduction to the ways in which modern popular culture represents and understands the ancient Greek and Roman world. Emphasis is placed on learning and practising critical reading and writing skills, including the comprehension and analysis of primary sources and secondary literature, and effective academic composition. All sections of this course follow the Critical Reading and Writing Guidelines available at www.mun.ca/hss/crw.

Abbreviated Course Title: CRW Classics in Pop Culture

~~**2400 Literature of Ancient Greece** introduces students to Greek Literature from the Archaic to the Imperial Periods. Students will study epic poetry, drama and other genres typical of these periods. Students will also be introduced to important themes, methodologies and scholarship.~~

~~CR: the former Classics 3110, the former English 3110~~

~~**2500 Literature of Ancient Rome** introduces students to Latin Literature from the Republican to the Late Antique Periods. Students will study epic poetry, drama and other genres typical of these periods. Students will also be introduced to important themes, methodologies and scholarship.~~

~~CR: the former English 3111, the former Classics 3111”~~

4.8 Department of Archaeology

Page 362, 2017-2018 Calendar, under the heading 14.2 Archaeology, amend the section as follows:

“2482 Indigenous Peoples and the Struggle for Self-determination explores, in a Pan-American comparative perspective, the experiences of Indigenous peoples inhabiting the nation-states that emerged out of the European settlements. The loss of self-determination and struggles to regain it are shared experiences but the routes followed historically and in the present are not the same. Understanding Indigenous Peoples’ diverse experiences of, and struggles against, colonialism will enable the alliances needed for more just and sustainable societies.

Abbreviated Course Title: Indigenous Self-determination”

Page 310, 2017-2018 Calendar, under the heading 13.2.3.1 First Courses, amend the section as follows:

“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

Department of Archaeology (cont'd)

is required. Students wishing to concentrate in this option must complete the Required Courses Archaeology 1030, 2480, 4182, and 4411. In addition, students are required to take 3 credit hours from Group 1 (Core Courses); 9 credit hours from Group 2 (Field and Laboratory Courses); 6 credit hours from Group 3 (Regional Courses); and 6 credit hours from Group 4 (Topical Courses).

Course Groupings for the Archaeology Program:

Required Courses: 1030, 2480, 4182, 4411.

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

Group 2 (Field and Laboratory Courses): 3040, 3583, 3585, 3586, 3650, 3710, 3850, 4015, 4151, 4152, 4153, 4171.

Group 3 (Regional Courses): 2481, 2482, 3290, 3291, 3500, 3505, 3510, 3515, 3520, 3525, 3580, 3588, 3592, 3651.

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

Page 300, 2017-2018 Calendar, under the heading 8.5.4 Regulations for the Certificate in Aboriginal and Indigenous Studies, amend Table 1 Courses for the Certificate in Aboriginal and Indigenous Studies as follows:

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 • Law and Society 3012, 3014 	<ul style="list-style-type: none"> • Archaeology 2481, 3290, 3291, 3510, 3588, 3590 • Archaeology/History 3520, 3525 • History 2800, 3765 	<ul style="list-style-type: none"> • Anthropology 2414, 3070, 3240 • <u>Archaeology 2482</u> • English 2160 • Linguistics 2060 • Political Science 3830

4.9 Department of Sociology

Page 402, 2017-2018 Calendar, under the heading 14.29 Sociology, amend the section as follows:

“4203 Sociology of Time is a seminar class exploring the social construction of time. Questions addressed include: What do we make of the past, present, and future? What are the meanings of time-reckoning systems? What role do these systems serve? The course will also expose students to how different sociological lenses have been applied to the sociology of time through key studies in the field.

Abbreviated Course Title Sociology of Time

~~4200-4220 (Excluding 4201, 4204, 4208, 4212 and 4213) Special Topics in Sociology~~ will have topics to be studied announced by the Department.

PR: SOCI 3040, 3150

Department of Sociology (cont'd)

4200-4220 (Excluding 4201, 4203, 4204, 4208, 4212 and 4213) Special Topics in Sociology will have topics to be studied announced by the Department.

PR: SOCI 3040, 3150”

4.10 Department of Earth Sciences

Page 552, 2017-2018 Calendar, under the heading 11.5.3 Third Year, amend the section as follows:

“**3610 Hydrogeology** (same as the former EASC 4610) examines geology and its relationship to groundwater occurrence—~~and exploitation~~: basic theory, groundwater flow systems, surface-groundwater interactions, field and laboratory techniques, and changes in water quality due to contaminant transport and sorption. ~~field and laboratory techniques, hydrogeological aspects of waste disposal and resource development.~~”

CR: Environmental Science 4479, the former EASC 4610

LH: 3

PR: Physics 1051 (or 1021); Mathematics 2000 or Statistics 2550 or the former Statistics 2510; EASC 2502”

Page 553, 2017-2018 Calendar, under the heading 11.5.4 Fourth Year, amend the section as follows:

“~~4620 Contaminant Hydrogeology~~ **Groundwater Modelling** examines the physical and chemical processes controlling groundwater ~~contamination~~ flow and contaminant transport from a numerical modelling viewpoint. Methods for numerical modelling ~~modeling of groundwater flow and contaminant transport~~ are the main focus ~~discussed~~. Students gain hands-on experience in using computer software packages to solve practical problems.

LH: 3

PR: EASC 3610 (or the former EASC 4610) or Environmental Science 4479 or permission of instructor”

4.11 Department of Physics and Physical Oceanography

Page 527, 2017-2018 Calendar, under the heading 10.10.2 Major in Physics, amend the section as follows:

“**10.10.2 Major in Physics**

1. English 1080 and English 1110 (or equivalent).
2. Chemistry 1050 and 1051 (~~or Chemistry 1010, 1011, and 1031~~) (or 1200 and 1001).

Department of Physics and Physical Oceanography (cont'd)

3. Mathematics 1000 and 1001.
4. Computer Science 1510 or 1001.
- 4.5. Mathematics 2000, Mathematics 2050, and Mathematics 2260 and 3202.
- 5.6. Physics 1050 (or 1020) and 1051.
- 6.7. Physics 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3750, 3820 and 3900.
7. ~~8.~~ An additional 12~~9~~ credit hours in physics courses numbered 3000 or higher which shall include at least 6 credit hours selected from the courses numbered 4000 or higher (excluding 490A/B) which shall include at least 6 credit hours selected from the courses numbered Physics 3000, 3150, 3300, the former 3410, 3550, 3600, 3751.
8. ~~Physics 3810 or Mathematics 3202.~~
9. Forty-two credit hours in applicable elective courses to form a total of 120 credit hours.

Mathematics 1001, 2000 and 2050 are prerequisites to many Physics courses and should be completed by the end of second year. Note that Mathematics 2260 is co-requisite to Physics 3220 and is recommended to be and should be completed before the Winter term of the third year. Those who intend to make a career in Physics should note that additional Physics courses are strongly recommended and interested students should consult the academic program officer. Mathematics 2051 and Computer Science 1510 or the former 2602 are also recommended.”

Page 527, 2017-2018 Calendar, under the heading 10.10.3 Honours in Physics, amend the section as follows:

“10.10.3 Honours in Physics

1. English 1080 and English 1110 (or equivalent).
2. Chemistry 1050 and 1051 ~~(or Chemistry 1010, 1011, and the former 4031)~~(or 1200 and 1001).
3. Mathematics 1000 and 1001.
4. Computer Science 1510 or 1001.
5. Mathematics 2000, 2050, and 2260, 3202.
6. Physics 1050 (or 1020) and 1051.
7. Physics 2053, 2055, 2750, 2820, 3220, 3230, 3400, 3500, 3600, 3750, 3820, 3900, 4400, 4500, 4820, 4850, 4900, 490A/B.
8. Physics 3800 or 4900.
8. ~~Physics 3810 or Mathematics 3202.~~
9. An additional 12 credit hours in physics courses numbered 3000 or higher which shall include at least 6 credit hours selected from physics courses numbered 4000 or higher. Students are encouraged to consider Physics 3800, 4400 and 4900, and other courses depending on the focus of their thesis research.

Department of Physics and Physical Oceanography (cont'd)

10. ~~Fifteen~~ Eighteen credit hours in applicable elective courses to form a total of 120 credit hours.

Note: *Certain graduate courses may be taken in the final year of the Honours Program with the permission of the Head of the Department.*

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 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.

An Honours thesis is to be presented on work undertaken by the candidate under the guidance of a Department of Physics and Physical Oceanography faculty member. The thesis comprises the 6 credit hour course Physics 490A/B. Students should seek departmental advice regarding a thesis project no later than the winter preceding the semester in which the project will be started.

~~The Honours Physics program in and beyond the third year requires a familiarity with computer programming and numerical analysis. In choosing electives for this program, the Department recommends that students supplement the prescribed program with the following courses Computer Science 2500 or 2510, and 3731 (or Mathematics 2130 and 3132). Mathematics 2051 and 3000 are also suitable electives. For specific courses and recommendations about electives, consultation with a faculty advisor in the Department is suggested.~~

~~The Department recommends that students wishing to complete the Honours Physics program in 120 credit hours follow the schedule given below. This schedule is intended for students who qualify for Physics 1050 and 1051. Other suggested course schedules are available from the Head of the Department.~~

~~Recommended Course Schedule – Honours Physics Program~~

Year	Semester I	Semester II
I	Chemistry 1050 English 1080 Mathematics 1000 Physics 1050 Elective	Chemistry 1051 Computer Science 1510 English 1110 (1101, 1102) Mathematics 1001 Physics 1051
II	Mathematics 2000 Mathematics 2050 Physics 2053 Physics 2820 Elective	Mathematics 2260 Mathematics 3202 Physics 2055 Physics 2750 Elective

III	Physics 3220 Physics 3400 Physics 3500 Physics 3750 Physics 3820	Physics 3900 Physics 3600/4500 Physics 3230/4400 Physics 4820 Physics Elective
IV	Physics 4900 Physics 4850 Physics 490A Physics Elective Elective	Physics 4500/3600 Physics 4400/3230 Physics 490B Physics Elective Physics Elective

4.12 Faculty of Engineering and Applied Science

Page 149, 2017-2018 Calendar, under the heading 11.3 Academic Term 3 Courses, amend the section as follows:

“**3941 Production Technology** includes an overview of production: production strategies; dimensioning and tolerancing; basic material removal process; forming and shaping process; casting; molding, extrusion and joining processes; computer aided machining; new technologies; design for manufacture.

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

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 includes~~ assembly modelling, mechanism animation and finite element analysis. Further a 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 exercises provides exposure to solid modelling and CAE applications based on an industrial using CAD/CAM/CAE toolspackage.

~~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

PR: ENGI 1030

Abbreviated Course Title: Computer Aided Engr Applicns”

4.13 Grenfell Campus

Page 213, 2017-2018 Calendar, under the heading 7.4.6 Bachelor of Science with Major in Physics, amend the section as follows:

- The 120 credit hour, 40 course program may be completed on a full or part-time basis as set out under **Table 10 Bachelor of Science with Major Physics** and **Table 11 Suggested Program of Study for the Bachelor of Science with Major in Physics**.

Grenfell Campus (cont'd)

- A student must complete Core Program Requirements as outlined under **Grenfell Campus Core Program Requirements**.
- A student must complete an approved concentration of courses known as a Major and elective courses to make up the required total of 40 courses, 120 credit hours. ~~A Minor is not required for this program.~~
- A Minor is not required for this program. However, courses used to complete the requirements of this major may be used to meet the requirements of a minor or second major in a different subject area excluding a minor in Science and a major in General Science.

Page 237, 2017-2018 Calendar, under the heading 13.23 Physics, add the following new course:

“**2150 The Foundation of Astronomy** represents a general introduction to astronomy. The course emphasizes the scientific method, basic physics, night sky and objects in our solar system. Topics include space science, telescopes, spectroscopy, atomic structure, the formation and evolution of planetary systems, and the detection and properties of exoplanets.

Abbreviated Course Title: The Foundation of Astronomy”

5. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES
- 5.1 ID PhD Program

Page 726, 2017-2018 Calendar, under the heading 33.21.2 Deadlines for Applications, amend the section as follows:

“32.20.2 Deadlines for Applications

- ~~1. The deadline for Fall admission is March 1 for commencement in September, October 1 for commencement in January, and February 1 for commencement in May. Students seeking admission to the program should start preparing their admission file well in advance of the application deadline. Admissions shall be considered by the ID Ph.D. Committee and recommendations shall be made to the Dean of Graduate Studies.”~~

Page 726, 2017-2018 Calendar, under the heading 33.21.3 Admission, amend the section as follows:

ID PhD Program (cont'd)

“33.21.3- 2 Admission

1. Prospective students should normally hold a Master’s Degree and have an excellent academic record. Applications for admission must include:
 - a. Two letters of reference
 - b. A detailed research proposal
 - c. Letters expressing a commitment to the research project and to supervisory duties from three Memorial University of Newfoundland faculty members, one of whom is prepared to assume the role of Chair of the Supervisory Committee and at least one whose unit of primary responsibility is a Ph.D. granting unit.
 - d. Letters of endorsement from the administrative heads of each of the units involved in the proposed program.
 - e. A statement from the University Librarian indicating the adequacy of Library resources to satisfy the demands of the research program.

2. Normally, admission is offered for the Fall Semester. The deadline for admission or readmission is January 15. Students applying for admission to the IDPhD must submit all required materials to the School of Graduate Studies on or before this deadline. Where circumstances permit, applications will be considered for the Winter and Spring Semesters.”

Page 726, 2017-2018 Calendar, under the heading 33.21.4 Program of Study, amend the heading as follows:

“33.21.43 Program of Study”

5.2 Medicine – Graduate Diploma

Page 699, 2017-2018 Calendar, under the heading 29.2 Graduate Diploma, amend the section as follows:

“29.2 Graduate Diploma in Medicine

The Faculty of Medicine offers a Graduate Diploma providing an opportunity for professionals and individuals within the health sector to obtain or upgrade their training in Clinical Epidemiology or Community Health.”

Page 699, 2017-2018 Calendar, under the heading 29.2.1 Qualifications for Admission, amend the section as follows:

Medicine – Graduate Diploma (cont'd)

“29.2.1 Qualifications for Admission

To be admitted into the respective graduate diploma program a student must be eligible to register as a graduate student, as described under **General Regulations, Graduate Diploma Programs**. In special circumstances, and upon the recommendation of the Director of Clinical Epidemiology or Associate Dean of Community Health and Humanities, for their respective program, a suitable combination of training and professional experience relevant to that program may be acceptable for admission.”

Page 699, 2017-2018 Calendar, under the heading 29.2.2 Program Requirements, amend the section as follows:

“29.2.2 Program Requirements

1. **Graduate Diploma in Medicine (Clinical Epidemiology)**
A graduate diploma in Clinical Epidemiology requires successful completion of MED 6262, 6250, and 6255 and the completion of two of the Clinical Epidemiology seminar courses: MED 6400 and 6401. Students are expected to give an oral presentation in the seminar series.
2. **Graduate Diploma in Medicine (Community Health) and Humanities**
A graduate diploma in Community Health requires successful completion of MED 6220, MED 6270, 3 electives, and 2 semester-length seminar courses (MED 6400-6401).”

Page 590, 2017-2018 Calendar, under the heading 3.2.1 Graduate Diplomas, amend the section as follows:

“3.2.1 Graduate Diplomas

- **Graduate Diploma in** Medicine (Clinical Epidemiology)
- **Graduate Diploma in** Medicine (Community Health)”

Page 596, 2017-2018 Calendar, under the heading 4.4.8 Transfer of Course Credits, amend the section as follows:

“4.4.8 Transfer of Course Credits

All such transfers require the approval of the Dean of Graduate Studies, on the recommendation of the Head of the appropriate academic unit.

4. Students who successfully complete a graduate diploma program may transfer the course credits earned in that program towards a master's degree if these credits meet

Medicine – Graduate Diploma (cont'd)

the requirements of the master's in the affiliated area in which the graduate diploma was granted.

Affiliated Master's programs for graduate diploma programs currently offered by the School of Graduate Studies are as follows:

Education

Graduate Diploma in Post-Secondary Studies (Health Professional Education) - Master of Education (Post-Secondary Studies)

Engineering

Graduate Diploma in Safety and Risk Engineering - Master of Engineering

Marine Studies

Graduate Diploma in Fisheries Resource Management - Master of Marine Studies (Fisheries Resource Management)

Medicine

Graduate Diploma in Medicine (Clinical Epidemiology) - Master of Science in Medicine (Clinical Epidemiology)

Graduate Diploma in Medicine (Community Health) - Master of Science in Medicine (Community Health) and Master of Public Health”

5.3 Medicine – Block of Special Topics Course Numbers

Page 700, 2017-2018 Calendar, under the heading 29.2.3 Graduate Courses, amend the section as follows:

“28.2.3 Graduate Courses

- 6030-6050 Special Topics
- 6070 Seminars in Physiological Instrumentation
- 6075 Human Physiology, Performance and Safety in Extreme Environments (HSPE)
- 6090-6101 Special Topics
- 6102 Critical Theory in Health and Society
- 6103-6119 Special Topics
- 6127 Immunology I
- 6128 Immunology II (*prerequisite: Medicine 6127*)
- 613A/B Advanced Immunological Methods (*same as the former 6130*)
- 6131-6139 Special Topics
- 6140 Basic Cardiovascular and Renal Physiology
- 6141 Cardiovascular/Renal Techniques
- 6142 Selected Topics in Cardiovascular and Renal Physiology
- 6143 Cardiovascular Anatomy

Medicine – Block of Special Topics Course Numbers (cont'd)

- 6144 Current Concepts in Cardiovascular and Renal Pathophysiology
- 6180 Structure, Function and Pharmacology of Muscle
- 6190 General Pharmacology
- 6192 Pharmacology of Receptors and Receptor Effector Coupling Processes
- 6193 Advanced Topics in Neuroscience
- 6194 Advanced Topics in Physiology
- 6195 Neurobiology of Nervous System Diseases
- 6196 Systems Neuroscience
- 6197 Cellular Neuroscience
- 6198 Neuroanatomy for Graduate Students (accelerated format)
- 6199 Health Sciences: Writing and Grantsmanship
- 6200 Biostatistics I (*credit may be obtained for only one of MED 6200 or MED 6262*)
- 6220 Introduction to Community Health
- 6225 Health Inequities and the Social Determinants of Health
- 6250 Basic Clinical Epidemiology
- 6255 Clinical Research Design
- 6260 Applied Data Analysis for Clinical Epidemiology
- 6262 Biostatistics in Clinical Medicine (*credit may be obtained for only one of MED 6200 or MED 6262*)
- 6263 Conducting and Publishing Systematic Review and Meta-analysis
- 6265 Genetics and Clinical Epidemiology
- 6270 Epidemiology I
- 6274 Chronic Disease Epidemiology
- 6275 Epidemiology II
- 6276 Current Topics in Canada's Health Care System
- 6277 Issues in Northern, Rural and Remote Health in Canada
- 6278 Advanced Biostatistics for Health Research
- 6279 Quantitative Methods for Applied Health Research
- 6280 Community Health Research Methods
- 6281 Theory and Approaches to Medical Publication
- 6282 Canadian Health Care System
- 6284 Research and Evaluation Design and Methods
- 6286 Ethical Foundations of Applied Health Research
- 6288 Policy and Decision Making
- 6290 Determinants of Health: Healthy Public Policy
- 6292 Qualitative and Quantitative Methods for Health Services Research
- 6293 Knowledge Transfer and Research Uptake
- 6294 Advanced Qualitative Methods
- 6295 Advanced Quantitative Methods
- 6296 Residency
- 6297 Theories of Social Justice in Health

Medicine – Block of Special Topics Course Numbers (cont'd)

- 6340 Research Topics in Cancer I
- 6341 Research Topics in Cancer II
- 6342 Basic Principles of the Pathology of Cancer
- 6390 Human Population Genetics
- 6391 Selected Topics in Human Genetics
- 6392 Applied Human Genetics
- 6393 Human Molecular Genetics
- 6394 Cancer Genetics
- 6395 Genetic Epidemiology
- 6400 Research Seminars for M.Sc. Students I (one-credit hour)
- 6401 Research Seminars for M.Sc. Students II (one-credit hour)
- 6402 Research Seminars for M.Sc. Students III (one-credit hour)
- 6403 Research Seminars for M.Sc. Students IV (one-credit hour)
- 6410 Research Seminars for Ph.D. Students I (one-credit hour)
- 6411 Research Seminars for Ph.D. Students II (one-credit hour)
- 6412 Research Seminars for Ph.D. Students III (one-credit hour)
- 6413 Research Seminars for Ph.D. Students IV (one-credit hour)
- 6420 Medical Science/Social Responsibility in Health Care: Aspects of Medical History (*same as History 6125*)
- 6580 Molecular Biology of Cancer (*prerequisites: Biology 4241, Biochemistry 4100 [or equivalent]*)
- 6590 Molecular Biology I (*cross-listed as Biology 6590 and credit-restricted with Biochemistry 6590*) *prerequisites: Biology 4241 (or equivalent)*
- 6591 Molecular Biology II (*cross-listed as Biology 6591 and credit-restricted with the former Biochemistry 6591*) *prerequisites: Biology 4241 (or equivalent)*
- 6900 Medical Geography I - Introduction to Geographic Information Science and Spatial Analysis in Health
- 6901 Medical Geography II - Geospatial Analysis and Modelling in Health *prerequisite: 6900*

5.4 Medicine – New Courses 6150 and 6151

Page 700, 2017-2018 Calendar, under the heading 29.2.3 Graduate Courses, amend the section as follows:

“28.2.3 Graduate Courses

- 6070 Seminars in Physiological Instrumentation
- 6075 Human Physiology, Performance and Safety in Extreme Environments (HSPE)
- 6090-6101 Special Topics
- 6102 Critical Theory in Health and Society
- 6103-6119 Special Topics
- 6127 Immunology I

Medicine – New Courses 6150 and 6151 (cont'd)

- 6128 Immunology II (*prerequisite: Medicine 6127*)
- 613A/B Advanced Immunological Methods (*same as the former 6130*)
- 6131-6139 Special Topics
- 6140 Basic Cardiovascular and Renal Physiology
- 6141 Cardiovascular/Renal Techniques
- 6142 Selected Topics in Cardiovascular and Renal Physiology
- 6143 Cardiovascular Anatomy
- 6144 Current Concepts in Cardiovascular and Renal Pathophysiology
- 6150 Principles of Scholarly Writing for Rural Doctors (may be delivered outside the regular semester timeframe)
- 6151 Principles of Research for Rural Doctors (may be delivered outside the regular semester timeframe)
- 6180 Structure, Function and Pharmacology of Muscle
- 6190 General Pharmacology
- 6192 Pharmacology of Receptors and Receptor Effector Coupling Processes
- 6193 Advanced Topics in Neuroscience
- 6194 Advanced Topics in Physiology
- 6195 Neurobiology of Nervous System Diseases
- 6196 Systems Neuroscience
- 6197 Cellular Neuroscience
- 6198 Neuroanatomy for Graduate Students (accelerated format)
- 6199 Health Sciences: Writing and Grantsmanship
- 6200 Biostatistics I (*credit may be obtained for only one of MED 6200 or MED 6262*)
- 6220 Introduction to Community Health
- 6225 Health Inequities and the Social Determinants of Health
- 6250 Basic Clinical Epidemiology
- 6255 Clinical Research Design
- 6260 Applied Data Analysis for Clinical Epidemiology
- 6262 Biostatistics in Clinical Medicine (*credit may be obtained for only one of MED 6200 or MED 6262*)
- 6263 Conducting and Publishing Systematic Review and Meta-analysis
- 6265 Genetics and Clinical Epidemiology
- 6270 Epidemiology I
- 6274 Chronic Disease Epidemiology
- 6275 Epidemiology II
- 6276 Current Topics in Canada's Health Care System
- 6277 Issues in Northern, Rural and Remote Health in Canada
- 6278 Advanced Biostatistics for Health Research
- 6279 Quantitative Methods for Applied Health Research
- 6280 Community Health Research Methods

Medicine – New Courses 6150 and 6151 (cont'd)

- 6281 Theory and Approaches to Medical Publication
- 6282 Canadian Health Care System
- 6284 Research and Evaluation Design and Methods
- 6286 Ethical Foundations of Applied Health Research
- 6288 Policy and Decision Making
- 6290 Determinants of Health: Healthy Public Policy
- 6292 Qualitative and Quantitative Methods for Health Services Research
- 6293 Knowledge Transfer and Research Uptake
- 6294 Advanced Qualitative Methods
- 6295 Advanced Quantitative Methods
- 6296 Residency
- 6297 Theories of Social Justice in Health
- 6340 Research Topics in Cancer I
- 6341 Research Topics in Cancer II
- 6342 Basic Principles of the Pathology of Cancer
- 6390 Human Population Genetics
- 6391 Selected Topics in Human Genetics
- 6392 Applied Human Genetics
- 6393 Human Molecular Genetics
- 6394 Cancer Genetics
- 6395 Genetic Epidemiology
- 6400 Research Seminars for M.Sc. Students I (one-credit hour)
- 6401 Research Seminars for M.Sc. Students II (one-credit hour)
- 6402 Research Seminars for M.Sc. Students III (one-credit hour)
- 6403 Research Seminars for M.Sc. Students IV (one-credit hour)
- 6410 Research Seminars for Ph.D. Students I (one-credit hour)
- 6411 Research Seminars for Ph.D. Students II (one-credit hour)
- 6412 Research Seminars for Ph.D. Students III (one-credit hour)
- 6413 Research Seminars for Ph.D. Students IV (one-credit hour)
- 6420 Medical Science/Social Responsibility in Health Care: Aspects of Medical History (*same as History 6125*)
- 6580 Molecular Biology of Cancer (*prerequisites: Biology 4241, Biochemistry 4100 [or equivalent]*)
- 6590 Molecular Biology I (*cross-listed as Biology 6590 and credit-restricted with Biochemistry 6590*) *prerequisites: Biology 4241 (or equivalent)*
- 6591 Molecular Biology II (*cross-listed as Biology 6591 and credit-restricted with the former Biochemistry 6591*) *prerequisites: Biology 4241 (or equivalent)*
- 6900 Medical Geography I - Introduction to Geographic Information Science and Spatial Analysis in Health
- 6901 Medical Geography II - Geospatial Analysis and Modelling in Health *prerequisite: 6900*

5.5 English

Page 616, 2017-2018 Calendar, under the heading 8.9.3 Courses, and on page 718, under the heading 33.11.2 Courses, amend the two sections as follows:

~~“5900 Bibliography and Research Methods
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~~
7100-7149 Author Studies
7150-7199 Book Histories
7200-7249 Creative Writings
7250-7299 Critical Theories
7300-7349 Cultural Studies
7350-7399 Genre Studies
7400-7449 Global Literatures
7450-7499 Indigenous Voices
7500-7549 Literary Movements
7550-7599 National Literatures
7600-7649 Period Studies
7650-7699 Regional Literatures
7700-7749 Special Topics
7750-7799 Visual Narratives”

5.6 Education

Page 715, 2017-2018 Calendar, under the heading 33.9.3 Program of Study, amend the section as follows:

Education (cont'd)

“33.9.3 Program of Study

1. Courses

Students are required to successfully complete four courses on the doctoral program.

a. Education 701A/B - Doctoral Seminar in Education:
Area of Specialization

Education 702A/B - Advanced Educational Research
Students ~~will normally~~ register for the 'A' portion of the above-noted courses in the ~~relevant~~ Fall semester of their program of study and the corresponding 'B' portion of the course in the following Winter semester. A grade of NC (No Grade Expected) will be assigned to the 'A' portion of each of these courses.

Students **must** register for the 'A' portion of the above-noted courses in the **first** Fall semester of their program of study and the corresponding 'B' portion of the course in the following Winter semester. A grade of NC (No Grade Expected) will be assigned to the 'A' portion of each of these courses.

- b. Students will also be required to complete two (2) available graduate courses related to their program focus and specialty, based on the advice of the student's supervisory committee.
- c. Normally, no more than four courses may be undertaken on a candidate's program.
- d. Education 7003-30 - Special Topics (offered as required)”

5.7 Chemistry

Page 711, 2017-2018 Calendar, under the headings 33.5.1 Program of Study and 33.5.2 Courses, amend the sections as follows:

“33.5.1 Program of Study

The Degree of Doctor of Philosophy in Chemistry is offered as full-time or part-time study. A Master's Degree in Chemistry or related area from a recognized university is normally required for entry into the Ph.D. program. Students holding a Bachelor's Degree (Honours or equivalent) in Chemistry may be considered for direct admission into the Ph.D. program. Students currently registered in the Memorial University of Newfoundland's Chemistry M.Sc. program for a minimum of three semesters may request transfer into a Ph.D. program. The transfer should be supported by the Supervisor and the Supervisory Committee and subsequent to satisfactory presentation of a written progress report and Ph.D. research proposal.

Chemistry (cont'd)

1. Upon recommendation of their supervisor, candidates will write American Chemical Society (ACS) placement test(s) in the first two weeks of their initial semester of registration in order to determine an appropriate course program.
2. Candidates will be assigned a Supervisory Committee consisting of the Supervisor and at least two other appropriate faculty members appointed by the Dean on recommendation of the Chemistry Deputy Head (Graduate Studies).
3. The program of a candidate must be arranged by the Supervisor in consultation with the Supervisory Committee and the student before the second semester of registration. It is the responsibility of the Supervisory Committee to meet at least annually with the student, to provide guidance at all stages of the candidate's program, and, in consultation with the student, to prepare annual written progress reports for submission to the Dean of Graduate Studies.
4. Candidates holding a Master's Degree from a recognized university are normally required to successfully complete a minimum of 6 credit hours of graduate Chemistry courses with a minimum grade of B and to present a ~~Departmental seminar on a topic not directly related to the candidate's research (Chemistry 6002) as well as~~ a seminar describing the candidate's research (Chemistry 6003). Courses taken towards a Master's Degree may not be repeated. Candidates not holding a Master's Degree must successfully complete at least 12 credit hours of graduate Chemistry courses with a minimum grade of B in addition to Chemistry 6002 and 6003.
5. Candidates are required to attend Departmental seminars.
6. Candidates must pass a comprehensive examination, as described in the **General Regulations**, according to one of the following descriptions:
 - a. A three-hour written part covering topics in Organic Chemistry, and, subsequent to the written examination at the discretion of the comprehensive examination committee, an oral exam designed to explore areas of perceived deficiency.
 - b. A paper on a research topic selected by the student in consultation with his/her supervisor and the examination committee, and subsequently, an oral examination designed to explore general areas of Analytical, Inorganic and/or Physical Chemistry and areas of chemistry related to the research topic.
7. Candidates must submit and successfully defend a thesis deemed acceptable by two internal and one external examiner as outlined in the **General Regulations**.

Chemistry (cont'd)

33.5.2 Courses

- 6002 Doctoral Seminar
- 6003 Doctoral Research Seminar
- 6110 Analytical Chemistry II
- 6150 Advanced Spectroscopic Techniques
- 6151 Analytical Separations and Organic Mass Spectrometry
- 6152 Electroanalytical Techniques
- 6153 Techniques in Sampling, Trace Analysis and Chemometrics
- 6154 Business Management and Good Laboratory Practice
- 6155 Computers in Instrumental Analysis and Basic Electronics
(*same as Med 6070*)
- 6156 Analytical Method Development and Sampling
- 6160 Laboratory Projects in Sampling, Electroanalysis and Trace Analysis
- 6161 Laboratory Projects in Analytical Separations and Spectroscopic Techniques
- 6190-9 Selected Topics in Analytical Chemistry
- 6201 Bioinorganic Chemistry
- 6202 Main Group Chemistry
- 6204 Mechanisms in Catalysis
- 6205 Photochemistry of Transition Metal Complexes
- 6206 Green Chemistry
- 6210 Organometallic Chemistry
- 6290-9 Selected Topics in Inorganic 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
- 6370 Nanoscale Phenomena
- 6380 Adsorption on Surfaces
- 6381 Surface and Interface Science
- 6382-9 Selected Topics in Physical Chemistry
- 6390-8 Selected Topics in Physical Chemistry
- 6399 Chemical Kinetics and Dynamics
- 6401 Organic Spectroscopic Analysis I
- 6402 Organic Spectroscopic Analysis II
- 6421 Natural Products Chemistry
- 6460 Organic Synthesis
- 6470 Physical Organic Chemistry

Chemistry (cont'd)

- 6490-9 Selected Topics in Organic Chemistry
- 6590-9 Selected Topics in Theoretical and Computational Chemistry
- 6600 Applications of Inorganic and Organometallic Chemistry to Toxicology”

5.8 Education

Page 640, 2017-2018 Calendar, under the heading 11.8.2 Curriculum, Teaching and Learning Studies, amend the section as follows:

“11.8.2 Curriculum, Teaching and Learning Studies

The Master of Education in Curriculum, Teaching and Learning Studies provides opportunities for students to investigate pertinent issues in these interrelated areas from a variety of perspectives: philosophical, historical, social, cultural, cognitive, and technological. The conceptual bases of curriculum, teaching, and learning are explored and analysed along with related examples of historical and current policies and practices. The program encourages the development of broad-based insights into issues related to these areas through an emphasis on critical inquiry and reflective practice. It supports students in the development and enhancement of research capabilities and professional expertise and practice.

Students may choose between two program options in Curriculum, Teaching and Learning Studies:

Option One

Students may choose to specialize in one of a number of areas of study: Computers in Education, Language and Literacy Studies, Mathematics Education, Music Education, Science Education, Second Language Education, Social Justice Education, Social Studies Education, Special Education, and Teacher-Librarianship.

Option Two

In consultation with a faculty advisor, students may choose to design a program speciality which addresses their research interests. Specialty foci within Curriculum, Teaching, and Learning Studies are numerous and may include technology and web-based education, arts education, rural and multi-age education. Students may alternatively select appropriate courses from other Master of Education program offerings to develop a program to meet their learning goals. Students interested in this option are strongly encouraged to explore and to focus their research and study interests and to discuss these interests with a faculty advisor.

Education (cont'd)

1. **Admission Requirements**

In addition to meeting the requirements in the School of Graduate Studies **General Regulations**,

- a. students must have completed a range and number of courses in Education deemed appropriate by the Faculty and Dean of Education.
- b. a minimum of two years of teaching or related experience is recommended.
- c. for a specialization in special education, a completed Bachelor of Special Education Degree or equivalent is required and enrolment will be limited to applicants articulating a research focus for which appropriate thesis supervision is available.

2. **Program Requirements**

- a. all students in the Master of Education Program (Curriculum, Teaching and Learning Studies) shall be required to complete:
 - 6100 Research Designs and Methods in Education
 - 6300 Teaching and Learning
 - 6602 Curriculum Studies
- b. students on the thesis route must complete at least one of the research courses listed below (6100 is prerequisite):
 - 6466 Qualitative Research Methods
 - 6467 Quantitative Research Methods
 - 6468 Critical Approaches to Educational Research
 - 6469 Theoretical and Methodological Foundations of Action Research
 - 6909 Narrative Approaches to Teaching, Learning and Research
 - and at least 2 courses from any university graduate offering provided that those chosen are appropriate to the student's program
- c. students choosing Option One on the internship, paper folio, project route, and comprehensive-course route must complete at least 2 courses within one particular specialty area from the list in **Core speciality courses in the study of curriculum, teaching and learning areas** below.
- d. students choosing Option Two must choose courses that have been designated through consultation with faculty advisor during the first semester of studies in this program.
- e. students choosing the Mathematics Education specialization within Curriculum, Teaching and

Education (cont'd)

Learning Studies must complete 6630 Critical Issues in Mathematics Education prior to completing other Mathematics Education specialty courses.

- f. students choosing the Special Education specialization within Curriculum, Teaching and Learning Studies must complete a thesis and at least two of the required Special Education speciality courses.
- g. students on the comprehensive-course route must complete one of the following courses: E6390 Research and Development Seminar in Curriculum, Teaching and Learning Studies or E6394 Biographical Explorations of Teaching and Learning or E6913 Putting Action Research Methodologies into Practice (prereq. E6469). Normally students would be permitted to register for one of these courses only after all other course requirements have been met, or during the student's last semester of studies.
- h. to meet total credit hour requirements students may choose electives from any university graduate offering provided that those chosen are appropriate to the student's program:
 - students on the thesis route must complete a total of at least 18 credit hours
 - students on the internship, paper folio, or project route must complete a total of at least 24 credit hours and the appropriate course option 6391 Internship in Curriculum, Teaching and Learning Studies (6 credit hours), 6392 Project in Curriculum, Teaching and Learning Studies (6 credit hours), or 6393 Paper Folio in Curriculum, Teaching and Learning Studies (6 credit hours)
 - students on the comprehensive-course route must complete a total of at least 30 credit hours
- i. **Core speciality courses in the study of curriculum, teaching and learning areas:**
 - **Computers in Education**
 - 6610 Research on Computers in the Curriculum
 - 6620 Issues and Trends in Educational Computing Technology”

Page 643, 2017-2018 Calendar, under the heading 11.8.5 Information Technology, amend the section as follows:

Education (cont'd)

“11.8.5 Information Technology

The graduate program in Information Technology is offered in partnership with Cape Breton University (CBU). It is designed to facilitate the educational use of information technology in a wide variety of settings. The program will be of interest to educators at all levels including K-12 teachers, school administrators, those in the post-secondary system, business and industry, as well as those in most other adult learning situations.

Information technology in this Master of Education program encompasses computer, communications, networking, and multi-media applications. The overall intent of the program is to:

- provide educators with skill sets and pedagogical expertise that will enable them to address computer and related information technology in a teaching/learning situation;
- develop potential information technology leaders for the educational system;
- develop instructional designers, for a variety of educational settings, who are able to combine information technology with learning theory to enhance curriculum development and delivery;
- provide a basis for the continued professional development of educators in the area of information technology;
- develop an awareness of the applications of information technology in a wide variety of educational contexts; and
- develop research expertise and potential in the use and application of information technology for teaching and learning purposes.

Candidates for the program will have attained, prior to acceptance, some fundamental knowledge and skills with respect to information technology through prerequisite experiences, and have attained a recognized undergraduate degree in an appropriate discipline with at least a second class standing (see specific regulations for details). The program components are designed to enable candidates to build on their prior experience through the development of pedagogical links and information technology applications. It is intended that the program be offered primarily as a part-time program through distance delivered courses, with other delivery formats to be considered/utilised where feasible. Access to specific computer hardware, software, and the Internet is required and will be the responsibility of each candidate.

A steering committee comprised of three members from each of the Faculty of Education at Memorial University of Newfoundland and the

Education (cont'd)

Institute for Education at CBU is responsible to the Associate Dean of Graduate Programs and Research, Faculty of Education, for selected aspects of the program. The latter include assessing student applications, recommending approval of instructors who are not regular faculty members at either CBU or Memorial University of Newfoundland, and recommending course or program changes. This committee is to be co-chaired by the Associate Dean of Graduate Programs and Research, Faculty of Education, Memorial University of Newfoundland and the Director of the Institute for Education at CBU, or their designate(s).

CBU courses offered as part of this program are indicated by the prefix "CBU EDU" followed by the specific course number.

1. Admission Requirements

Admission to the program is competitive and selective. In addition to meeting the requirements in the School of Graduate Studies **General Regulations**, Faculty of Education, Memorial University of Newfoundland, candidates must have successfully completed:

- a. one of a diploma or certificate in information technology from an accredited institution; CBU EDU 530; Memorial University of Newfoundland 2751 and 3751; or equivalent as determined by the program steering committee.

Selection into the program is determined by an applicant's profile which would normally include such criteria as previous academic performance, related work experience, and relevant information technology experience. More detailed information may be found at www.mun.ca/educ/grad/infotech.php.

2. Program Requirements

- a. all candidates for the Master of Education (Information Technology) must complete 6100 Research Designs and Methods in Education.
- b. candidates on the thesis route must complete:
 - three credit hours from:
 - 6610 Research on Computers in the Curriculum
 - 6615 Educational Software Prototyping and Evaluation
 - 6620 Issues and Trends in Educational Computing Technology

Page 644, 2017-2018 Calendar, under the heading 11.9 Courses, amend the section as follows:

Education (cont'd)

“11.9 Courses

Course descriptions for graduate course in Education are available at www.mun.ca/educ/grad/fee_deadline.php.

A selection of the following graduate courses shall be offered to meet the requirements of candidates, as far as the resources of the Faculty allow.

- 6100 Research Designs and Methods in Education
- 6105 Social and Cultural Difference and Education
- 6106 Popular Culture and Literacy Education
- 6107 Arts Education: Creativity in the Classroom
- 6108 Literacy and Language Education: Sociocultural Perspectives
- 6202 Social Context of Educational Leadership
- 6203 Leadership: Theory and Practice
- 6204 Educational Administration: Theory and Practice
- 6205 Educational Policy: Theory and Practice
- 6290 Research and Development Seminar in Educational Leadership Studies
- 6291 Internship in Educational Leadership Studies (6 credit hours)
- 6292 Project in Educational Leadership Studies (6 credit hours)
- 6293 Paper Folio in Educational Leadership Studies (6 credit hours)
- 6300 Teaching and Learning
- 6321 Supervisory Processes in Education
- 6330 Educational Finance
- 6335 Legal Foundations of Educational Administration
- 6390 Research and Development Seminar in Curriculum, Teaching and Learning Studies
- 6391 Internship in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6392 Project in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6393 Paper Folio in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6394 Biographical Explorations of Teaching and Learning
- 6410 Seminar on Philosophical Issues in Educational Policy and Leadership
- 6420 Ethical Issues and Perspectives in Educational Practice and Policy
- 6425 Comparative Perspectives in Public Education, Reform, and Leadership
- 6426 Computer Applications in Educational Administration
- 6427 School Community Partnerships
- 6440 Family-School Relations: Leadership and Policy Implications
- 6461 Graduate Research Writing

Education (cont'd)

- 6462 Cultural Landscapes, Knowledge and Pedagogy
- 6463 Relationships First: Rethinking Educational Engagement
(*credit may be obtained for only one of 6463 or 6936*)
- 6465 School Violence: Leadership and Policy Implications
- 6466 Qualitative Research Methods
- 6467 Quantitative Research Methods
- 6468 Critical Approaches to Educational Research
- 6469 Theoretical and Methodological Foundations of Action Research
- 6502 Contexts of Music Education
- 6503 Teaching Music from the Podium
- 6504 Musicianship, Pedagogy, and Learning
- 6590 Research and Development Seminar in Information Technology in Education
- 6600 Learning and Motivation
- 6602 Curriculum Studies
- 6603 Place, Ecology and Education
- 6610 Research on Computers in the Curriculum (*prerequisite: 6620*)
- 6615 Educational Software Prototyping and Evaluation
- 6620 Issues and Trends in Educational Computing
- 6630 Critical Issues in Mathematics Education
- 6632 Current Research in Teaching and Learning of Elementary School Mathematics (*prerequisite: 6630*)
- 6634 Teaching and Learning to Solve Mathematics Problems (*prerequisite: 6630*)
- 6635 Teaching and Learning Geometry
- 6636 Teaching and Learning the Concept of Number and Operations
- 6639 Technology and the Teaching and Learning of Mathematics (*prerequisite: 6630*)
- 6641 Writing in the Primary, Elementary and Secondary Schools
- 6642 Developmental Reading (K-8)
- 6643 Contemporary Issues in Intermediate and Secondary English
- 6644 Drama in Education
- 6645 Literature for Children and Adolescents
- 6646 Literature in the Secondary School
- 6647 Diagnosis and Remediation of Reading and Writing Difficulties
- 6649 Exploring Multiple Literacies
- 6653 Contemporary Issues in Science Education I
- 6655 The Nature of Science and Science Education
- 6658 Teaching and Learning Scientific Concepts, Laws, and Theories
- 6660 Information Technology
- 6661 Applications of Media in Education
- 6662 Research Seminar in Teacher-Librarianship
- 6663 The Organization of Learning Resources

Education (cont'd)

- 6664 Seminar in School Improvement
- 6668 Current Issues in Second Language Education
- 6669 Graduate Seminar in Second Language Teaching and Learning
- 6670 Teaching and Learning Social Studies
- 6671 Research in Social Studies Education
- 6672 Issues and Trends in Social Studies
- 6673 Second Language Teaching, Learning and Curriculum (*credit may be obtained for only one of Education 6673, the former 6665 or 6667*)
- 6674 Research in Second Language Writing Education
- 6675 Current Issues in Rural Education
- 6676 Research and Practice in TESL/TEFL (Teaching English as a Second/Foreign Language)
- 6693 Literacy for the Young Child in Home and School
- 6700 Ethical and Legal Issues in Counselling
- 6701 Issues and Methodologies in Learning and Developmental Research
- 6702 Counselling: Theory and Practice
- 6703 Personal and Professional Development Group (non-credit)
- 6705 Nature and Development of School Counselling Services
- 6706 Career Education and Career Counselling
- 6707 Assessment for Counsellors
- 6708 Group Counselling: Theory and Practice
- 6709 Assessment of Intelligence and Learning Skills
- 6710 Issues in Development and Implementation of Special Education Policy and Practices
- 6711 Behaviour Modification in the Educational Setting
- 6712 The Nature and Assessment of Behaviour Disorders in Children and Adolescents
- 6713 Educational Applications of Contemporary Cognitive Psychology
- 6714 Principles and Practices in Exceptionality
- 6715 The Theory and Practice of Peer Helping Programs
- 6716 Working with Families and Parents
- 6717 Counselling Adolescents
- 6718 Elementary School Counselling
- 6719 Cultural Issues in Counselling
- 6720 Internship in Counselling Psychology (9 credit hours)
- 6755 Nature and Assessment of Learning Disabilities
- 6801 Foundations of Post-Secondary Programs
- 6802 Adult Learning and Development
- 6803 Research in Post-Secondary Education
- 6804 Leadership and Human Resource Development in Post-Secondary Education
- 6805 Advanced Human Resource Communications
- 6806 Interprofessional Education in the Health Professions

Education (cont'd)

- 6807 Economics and Finance of Post-Secondary Education
- 6822 Foundations of Instructional Design in Post-Secondary Education
- 6823 Principles of Program Design and Development
- 6831 Organization and Administration of Student Services for the Adult Learner
- 6832 Issues and Trends in the Administration of Post-Secondary Education
- 6841 Student Development Theory, Services and Programs in Post-Secondary Education
- 6890 Research and Development Seminar in Post-Secondary Studies
- 6891 Internship in Post-Secondary Studies (6 credit hours)
- 6900-6910 Special Topics (excluding 6909)
- 6909 Narrative Approaches to Teaching, Learning and Research
- 6911 Multiage Education: An Introduction
- 6912-6950 Special Topics (excluding 6913, 6923, 6924, 6927, 6931, 6932, and 6940)
- 6913 Putting Action Research Methodologies into Practice (*prerequisite: 6469 Theoretical and Methodological Foundations of Action Research*)
- 6923 Perspectives in Indigenous Education
- 6924 Decolonizing Pedagogies
- 6927 Digital Game-based Learning
- 6931 Educational Technology Law
- 6932 Intellectual Technology Law in Teaching and Learning
- 6940 Administration of Student Services in Post-Secondary Education”

Page 642, 2017-2018 Calendar, under the heading 11.8.4 Post-Secondary Studies, amend the section as follows:

“11.8.4 Post-Secondary Studies

The graduate programs in Post-Secondary Studies are designed to prepare candidates to function in a variety of roles in informal and formal post-secondary learning environments (including academic, technical, professional, adult and continuing education, health professional education, and student services/development). These programs facilitate a study of the post-secondary educational systems through an examination of their foundations, directions, organization and administration; and through curriculum and instructional development options for occupational preparation and adult education.

1. Admission Requirements

In addition to meeting the requirements in the School of Graduate Studies **General Regulations**,

Education (cont'd)

- ~~a.~~ Candidates must have completed an undergraduate course in statistics (Education 2900), and post-secondary education (Education 2720), or have accumulated the equivalent experiences in each of the above two areas as approved by the Head of the academic unit;
- ~~b.~~a. two years of successful experience in working with adult learners is recommended;
- ~~c.~~b. and for the M.Ed. Post-Secondary Studies (Health Professional Education) and the Graduate Diploma in Post-Secondary Studies (Health Professional Education) program, candidates must have appropriate academic qualifications and work experience in a health-related field.”

5.9 Education – ED 6927

Page 643, 2017-2018 Calendar, under the heading 11.8.5 Information Technology, amend the section as follows:

“11.8.5 Information Technology

The graduate program in Information Technology is offered in partnership with Cape Breton University (CBU). It is designed to facilitate the educational use of information technology in a wide variety of settings. The program will be of interest to educators at all levels including K-12 teachers, school administrators, those in the post-secondary system, business and industry, as well as those in most other adult learning situations.

Information technology in this Master of Education program encompasses computer, communications, networking, and multi-media applications. The overall intent of the program is to:

- provide educators with skill sets and pedagogical expertise that will enable them to address computer and related information technology in a teaching/learning situation;
- develop potential information technology leaders for the educational system;
- develop instructional designers, for a variety of educational settings, who are able to combine information technology with learning theory to enhance curriculum development and delivery;
- provide a basis for the continued professional development of educators in the area of information technology;
- develop an awareness of the applications of information technology in a wide variety of educational contexts; and

Education – ED 6927 (cont'd)

- develop research expertise and potential in the use and application of information technology for teaching and learning purposes.

Candidates for the program will have attained, prior to acceptance, some fundamental knowledge and skills with respect to information technology through prerequisite experiences, and have attained a recognized undergraduate degree in an appropriate discipline with at least a second class standing (see specific regulations for details). The program components are designed to enable candidates to build on their prior experience through the development of pedagogical links and information technology applications. It is intended that the program be offered primarily as a part-time program through distance delivered courses, with other delivery formats to be considered/utilised where feasible. Access to specific computer hardware, software, and the Internet is required and will be the responsibility of each candidate.

A steering committee comprised of three members from each of the Faculty of Education at Memorial University of Newfoundland and the Institute for Education at CBU is responsible to the Associate Dean of Graduate Programs and Research, Faculty of Education, for selected aspects of the program. The latter include assessing student applications, recommending approval of instructors who are not regular faculty members at either CBU or Memorial University of Newfoundland, and recommending course or program changes. This committee is to be co-chaired by the Associate Dean of Graduate Programs and Research, Faculty of Education, Memorial University of Newfoundland and the Director of the Institute for Education at CBU, or their designate(s).

CBU courses offered as part of this program are indicated by the prefix "CBU EDU" followed by the specific course number.

1. Admission Requirements

Admission to the program is competitive and selective. In addition to meeting the requirements in the School of Graduate Studies **General Regulations**, Faculty of Education, Memorial University of Newfoundland, candidates must have successfully completed:

- a. one of a diploma or certificate in information technology from an accredited institution; CBU EDU 530; Memorial University of Newfoundland 2751 and 3751; or equivalent as determined by the program steering committee.

Selection into the program is determined by an applicant's profile which would normally include such criteria as previous

Education – ED 6927 (cont'd)

academic performance, related work experience, and relevant information technology experience. More detailed information may be found at www.mun.ca/educ/grad/infotech.php.

2. Program Requirements

- a. all candidates for the Master of Education (Information Technology) must complete 6100 Research Designs and Methods in Education.
- b. candidates on the thesis route must complete:
 - three credit hours from:
 - 6610 Research on Computers in the Curriculum
 - 6615 Educational Software Prototyping and Evaluation
 - 6620 Issues and Trends in Educational Computing
 - nine credit hours selected from the core elective CBU courses approved for this program:
 - CBU EDU 5101 Assessment of Software and Information Technology Applications for Education
 - CBU EDU 5103 Integration of Instructional Design and Information Technology
 - CBU EDU 5104 Applications of Learning Theory in Educational Multi-media Design
 - CBU EDU 5105 Designing Web-based Learning
 - CBU EDU 5106 Technology Planning for Educational Environments
 - CBU EDU 5107 Information Management for Educational Environmentsthree credit hours from: 6822, 6823, 6802, 6426, 6927 or from other Memorial University of Newfoundland, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee.
- c. candidates on the comprehensive-course route must complete:
 - i. six credit hours selected from 6610, 6615, 6620
 - ii. twelve credit hours selected from CBU EDU 5101, EDU 5103, EDU 5104, EDU 5105, EDU 5106, EDU 5107
 - iii. E6590 Research and Development Seminar in Information Technology in Education
 - iv. three credit hours from 6822, 6823, 6802, 6426, 6927 or from other Memorial University of Newfoundland, Faculty of Education graduate course offerings as deemed appropriate for each candidate's program and approved by the program steering committee
 - v. additional credit hours appropriate to a candidate's program, and approved by the program steering

Education – ED 6927 (cont'd)

- committee, to be chosen from graduate course offerings at Memorial University of Newfoundland, CBU, or any other university to complete the required 30 credit hours for the comprehensive-course route
- d. normally, candidates will be permitted to register for 6590 only after all other course requirements have been met.
 - e. candidates who have successfully completed the CBU graduate level Certificate in Education (Technology) will be given advanced standing credit for the 9 CBU EDU course credit requirements for the thesis route or 12 CBU EDU course credit requirements for the comprehensive course-route on this program.
 - f. candidates who have successfully completed the former CBU EDU 534 and/or EDU 543 with at least a CBU grade of B (70%) toward the CBU graduate level Certificate in Education (Technology) prior to September 2000, will receive up to 12 advanced standing credit hours appropriate to their Degree option (EDU 534 will be considered equivalent to EDU 5101 and EDU 5103, and EDU 543 equivalent to EDU 5104 and EDU 5105).
 - g. thesis-route candidates will be subject to **Theses and Reports** of the School of Graduate Studies, Memorial University of Newfoundland, supervised by a faculty member at Memorial University of Newfoundland, and where feasible co-supervised by a CBU faculty member.”

5.10 Business Administration

Page 635, 2017-2018 Calendar, under the heading 10.1 Qualifications for Admission, amend the section as follows:

“10.1 Qualifications for Admission

1. Admission is limited and competitive. To be eligible for consideration for admission to the Master of Business Administration program, an applicant shall:
 - a. normally hold at least a Bachelor's Degree, with a minimum 'B' standing, from an institution recognized by Senate;
 - b. normally have two years of full-time work experience, or equivalent, deemed acceptable to the Faculty of Business Administration; and
 - c. achieve a satisfactory total score on the Graduate Management Admission Test (GMAT), as well as an

Business Administration (cont'd)

appropriate balance of verbal and quantitative GMAT score components. Specific information regarding test centres, dates, registration procedure and deadlines can be obtained by contacting the Graduate Management Admission Council at www.mba.com.

2. An applicant who did not complete a Bachelor's degree at a recognized university where English is the primary language of instruction must normally complete either the:
 - a. 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
 - b. 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.

3. In exceptional cases, an applicant who has not completed a Bachelor's degree, but who meets all other requirements, may be considered for admission. Preference will be given to those who present a high GMAT score, have a minimum of 10 years of full-time managerial and executive experience, and have completed several years of university studies. The Faculty may also take into account relevant professional credentials. An applicant who does not meet normal admission requirements may be required to complete, with a high level of achievement, certain undergraduate courses before being considered for admission.
4. Graduates of the Graduate Diploma in Business Administration applying to the M.B.A. program must meet all MBA admission requirements outlined above.
45. Notwithstanding the above, in exceptional cases, and only on the strong recommendation of the Faculty of Business Administration, consideration may be given to an applicant who does not qualify for admission consideration in accordance with the entrance requirements outlined above. It is noted that the GMAT requirement is never waived.”

Page 635, 2017-2018 Calendar, under the heading 10.4 Programs of Study, amend the section as follows:

“10.4 Programs of Study

The program is a 60 credit hour all-course program. This program requires: 36 credit hours as specified in **Table 1**; plus 24 credit hours selected from **Table 2** including a minimum of 3 credit hours in the

Business Administration (cont'd)

area of international business chosen from 9005, 9020, 9030, 9306, 9326 or another approved international course.

Course exemptions may be considered in accordance with Clause 3. below. In the event that course exemptions are granted, the 60 credit hour program requirement will be adjusted accordingly.

1. The Faculty of Business Administration may consider exemptions for up to 10 (30 credit hours) introductory M.B.A. courses for those applicants who have completed relevant undergraduate courses in Business, Economics, and Statistics. Undergraduate courses will normally only be considered for exemption purposes if they were completed within seven years of the year in which admission to the M.B.A. program is sought and provided the student achieved a grade of 75% or higher in the undergraduate course(s) required for exemption of the relevant M.B.A. course. Only the following introductory M.B.A. courses will be considered for exemption: 8103, 8104, 8106, 8108, 8109, 8204, 8205, 8206, 8207, and 8208.

2. The Faculty of Business Administration may consider exemptions in the M.B.A. program for the following courses completed as part of the Graduate Diploma in Business Administration: 8104, 8106, 8108, 8109, 8204 and 8205. MBA electives and 8107 completed during the Graduate Diploma in Business Administration are not available for exemption in the M.B.A. program. It is noted that 8107 must be replaced by another course offered in the MBA program in consultation with the candidate and approved by the Faculty of Business Administration.

3. An applicant who has completed relevant undergraduate courses at institutions external to Memorial University of Newfoundland must submit the following information to the M.B.A. Program Office, Faculty of Business Administration, for evaluation:

- a detailed course outline for each course to be considered in the application for advanced standing;
- a description of the method of evaluation used in each such course, the grades received, and the completion dates.

4. The Faculty of Business Administration reserves the right to restrict a student from taking particular M.B.A. elective courses if it is deemed that those courses do not add sufficient value beyond courses that the student has completed at the undergraduate level.

5. A student is required to observe approved co- or prerequisites in scheduling his/her courses. These are indicated in **Table 3**.

6. A student shall successfully complete the requirements of Business 8103 as part of the first 36 credit hours of the program.”

Page 636, 2017-2018 Calendar, under the heading 10.6 Courses, amend the section as follows:

Business Administration (cont'd)

Table 1 Master of Business Administration Schedule of Required Courses

8103 Statistical Applications in Management	8204 Human Resource Management
8104 Organizations: Behaviour and Structure	8205 Information Systems
8106 Marketing	8206 Managerial Finance
8107 Managing Ethics and Responsibility	8207 Operations Management
8108 Economics for Business	8208 Strategic Management
8109 Accounting for Management	8209 Leadership and Interpersonal Skills for Managers

Table 2 Master of Business Administration Schedule of M.B.A. Electives

8001 Consumer Behaviour	9306 Global Strategy International Strategic Management
8002-8005 Special Topics	9308 New Venture Creation
8202 Advanced Managerial Accounting	9309 Marketing Management
8203 Management Science	9310 Management Science Applications
8210 Labour Relations	9311 Seminar in Human Resource Management
9001-9019 Special Topics (excluding 9005, 9013)	9312 Financial Management
9005 International Marketing	9314 Business and Taxation Law
9013 Collective Agreement Administration and Arbitration	9315 Advanced Financial Accounting
9020 International Human Resource Management	9316 Information Systems Management
9021 Data Management	9317 Current Topics in Management
9022 Information Systems Analysis and Design	9318 Marketing Communications Management
9023-9050 Special Topics (excluding 9030, 9032, 9033, 9034, 9040, 9042)	9320 Investments and Portfolio Management
9030 International and Comparative Industrial Relations	9322 Strategic Management of Technology and Innovation
9032 Digital Marketing	9323 Financial Forward, Futures, and Options Markets
9033 The International Business Environment	9324 Gender, Work and Organizations
9034 Strategic Risk Management	9326 International Finance
9040 Business Sustainability	9328 Change Management
9042 Branding with Social Media	9329 Labour Law
9103 Research in Management	Up to 6 credit hours in courses from other graduate programs within the School of Graduate Studies, as approved by the Dean of Graduate Studies on the recommendation of the Faculty of Business Administration
9301-9303 Research Project	

A selection of electives will be offered to meet the requirements of candidates as far as the resources of the Faculty of Business Administration will allow.

Table 3H - Master of Business Administration Prerequisite/Co-requisite

Course	Prerequisite/Co-requisite*	Electives	Prerequisite/Co-requisite*
		8001	8106
		8202	8109
Required Courses		8203	Nil
8103	Nil		
8104	Nil	8210	Nil
		9005	Nine courses including 8106

		9013	Nine courses completed including 8210 or 8210 plus admission to the MER program
8106	Nil	9020	Nine courses completed including 8104 or 8204 or <u>8204 plus admission to the MER program</u>
8107	Nil	9021	Nine courses completed including 8205
8108	Nil	9022	Nil
		9030	Nine courses completed including 8210 or 8210 plus admission to the <u>MER program</u>
		9032	8106
		9033	Nine courses
		9034	Nine courses
		9040	Nine courses including 8107
		9042	Nil
8109	Nil	9103	Nine courses completed including 8103
8204	Nil		
8205	Nil	9301	Nine courses completed
8206	8103*, 8108*, 8109	9302	Nine courses completed including 9301*
8207	8103, 8108*	9303	Nine courses completed including 9301* and 9302*
8208	8103, 8104, 8106, 8108, 8109, 8205*, 8206*, 8207*	9306	<u>Nine courses completed 8103, 8104, 8106, 8108, 8109, 8206</u>
8209	8104	9308	8106, 8109
		9309	Nine courses completed including 8106
		9310	8203
		9311	Nine courses completed including 8104, 8204 or admission to the MER program
		9312	Nine courses completed including 8103, 8108, 8109, 8206
		9314	Nine courses completed including 8103, 8108, 8109, 8206 or <u>admission to the MER program</u>
		9315	8109

		9316	Nine courses completed including 8205
		9317	Nine courses completed
		9318	Nine courses completed including 8106
		9320	Nine courses completed including 8103, 8108, 8109, 8206
		9322	8104, 8106, 8108, 8109, 8206,
		9323	Nine courses completed including 8103, 8108, 8109, 8206, 9320
		9324	Nine courses completed including 8104 or admission to the MER program
		9326	Nine courses completed including 8103, 8108, 8109, 8206
		9328	Nine courses completed including 8104 or admission to the MER program
		9329	Nine courses completed including 8210 or 8210 plus admission to the MER program

Note:

Unless specified in Table III all 9000-level courses require the prior completion of nine courses, including any specific prerequisites or co-requisites unless otherwise specified.

5.11 Nursing

Page 666, 2017-2018 Calendar, under the heading 20.6 Courses, amend the section as follows:

“20.6 Courses

A selection of the following graduate courses will be offered to meet the requirements of candidates as far as the resources of the School of Nursing will allow.

- 6010 Research in Nursing: Quantitative Methods (3 credit hours) (*prerequisite or co-requisite: 6012*)
- 6011 Philosophical and Theoretical Foundations of Nursing
- 6012 Statistics for Advanced Nursing Practice
- 6020 Program Development in Nursing
- 6031 Education in Nursing
- 6100 Research in Nursing: Qualitative Methods (*pre or co-requisite: 6011*)
- 6221 Population-Based Nursing (*equivalent to 6220 and 6230*)

Nursing (cont'd)

- 6240 Nursing Individuals and Families Through Life Transitions (*equivalent to 6200 and 6210*)
- 6250 Foundations for Advanced Nursing Practice (*This course is a prerequisite for all other courses for students in the practicum option though may be taken as a co-requisite in the first term of the program*)
- 6251 Writing Skills for Nurse Practitioners (1 credit hour) (*This course is a prerequisite for all other courses for students in the MN-NP option though may be taken as a co-requisite in the first term of the program*)
- 6310-6350 Special Topics in Nursing
- 6501-6510 Individual Readings and Research in Special Areas
- 6660 MN Practicum 1 (*prerequisites: All required courses including 6020 or 6031, and 6240/6721 or 6200/6210 or 6220/6230*)
- 6661 MN Practicum 2 (*prerequisite: 6660 MN Practicum 1*)
- 6703 Advanced Health Assessment and Clinical Practicum 1 (4 credit hours)
- 6704 Applied Pathophysiology and Clinical Practicum 2 (4 credit hours) (*prerequisite: 6703*)
- 6705 Pharmacotherapy and Therapeutics (*prerequisite: 6704*)
- 6706 Nurse Practitioner Roles and Practice Issues
- 6800 Adult Advanced Clinical Decision Making 3 (4 credit hours), (or the former 6800 Adult Advanced Clinical Decision Making (4 credit hours)) (*prerequisite: 6705 and 6706*)
- 6802 Family/All Ages Clinical Decision Making 3 (4 credit hours), (or the former 6802 Family/All Ages Clinical Decision Making (4 credit hours)) One of: 6803 to 6809 Nursing Specialty Option Courses (4 credit hours) (*prerequisite: 6705 and 6706*)
- 690X Advanced Clinical Practicum 4 (*The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars*) (12 credit hours), (or the former 690X Advanced Clinical Practicum 2 (*The integrated practice component will normally consist of a minimum of 400 hours of preceptored specialty clinical practice and biweekly seminars*) (12 credit hours) (*prerequisite: 6800 or 6802*)”

5.12 Human Kinetics and Recreation

Page 670, 2017-2018 Calendar, under the heading 22 Regulations Governing the Degree of Master of Physical Education, amend the section as follows:

“22 Regulations Governing the Degree of Master of Physical Education

Professor and Dean

H. Carnahan

Human Kinetics and Recreation (cont'd)

The Degree of Master of Physical Education (M.P.E.) is offered by full-time and part-time study. Part-time study is available through Internet-based distance education technology.

22.1 Qualifications for Admission

1. Admission is limited and competitive. The deadline for receipt of applications is ~~March 1~~ April 1 for admission into the subsequent Fall semester. To be considered for admission an applicant shall normally hold a Bachelor's Degree in Physical Education, Recreation and Leisure Studies, or a related discipline, with at least second class standing, from an institution recognized by Senate. In addition to the above, preference will be given to applicants with at least two years of work experience, obtained either through Cooperative Education programs or through employment deemed appropriate.
2. Any other applicant who holds a Bachelor of Physical Education or Recreation and Leisure Studies Degree or its equivalent may be considered for admission provided that:
 1. the applicant's undergraduate record after the first year shows an average of at least grade B in physical education and/or recreation and leisure studies courses, OR
 2. the applicant has raised his/her overall academic standing to second class following the completion of the undergraduate degree, through the successful completion of an approved pattern of undergraduate courses.
3. Only in exceptional circumstances and only on the recommendation of the School of Human Kinetics and Recreation shall the Dean of Graduate Studies consider applicants who do not meet these admission requirements.

22.2 Program of Study and Research

1. The Degree of Master of Physical Education is offered under ~~three~~ two options:

Option 1. The program shall consist of a minimum of 12 credit hours in graduate courses plus a thesis. The thesis shall be on an approved subject in which systematic research has been conducted by the candidate under the direction of the Supervisor.

~~**Option 2.** The program shall consist of a minimum of 12 credit hours in graduate courses plus a project report. The project shall be on an approved subject in which action research has been conducted by the candidate under the direction of the Supervisor.~~

Human Kinetics and Recreation (cont'd)

- ~~Option 3~~ **Option 2.** The program shall consist of a minimum of 24 credit hours in graduate courses plus a comprehensive examination in the candidate's major area of study.
2. The candidate's major area of study shall be Administration, Curriculum, and Supervision in Physical Education. In conjunction and collaboration with other Faculties and Schools of Memorial University of Newfoundland, students may pursue their special interests through an interdisciplinary course of study. The student's interests may be accommodated through individual reading and research in these special areas.
3. The required courses for the degree shall normally include:

Option 1: ~~HKR 6500, one of 6000 or 6001, 6120, plus one of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 (plus thesis)~~

Candidates for the Master of Physical Education (Option 1) shall be required to complete a minimum of 12 credit hours plus a thesis. Either HKR 6000 or HKR 6001 is normally required for all candidates. In addition, all on-campus candidates shall be required to complete four semester-length seminars represented by registration and successful completion of HKR 6314 (a non-credit, repeatable course) in each of four semesters during their tenure in the program. Off-campus or part-time candidates who cannot attend the on-campus seminar series meet with the course instructor to discuss alternate evaluation. The remaining course requirements will be selected, in agreement with the Supervisory Committee, to reflect the student's area of research interests.

It is the responsibility of the student to arrange regular meetings with their supervisory committee. An annual report, prepared by the student and signed by the Supervisor and all members of the Supervisory Committee, is submitted to the Dean of the School of Human Kinetics and Recreation (or delegate) as required by the School of Graduate Studies.

A student completing a Master of Physical Education will be required to present a thesis proposal for his or her proposed thesis normally by the end of the third semester of study. The thesis proposal shall normally consist of a full written proposal (including literature review) submitted to the Supervisory Committee. A summary of the proposal is to be distributed to graduate students and faculty one week prior to the scheduled presentation. The candidate may be questioned on his/her proposal by the Supervisory Committee and seminar audience. Any deficiencies noted during the presentation should be carefully considered by the student and the Supervisory Committee prior to proceeding with the thesis.

Human Kinetics and Recreation (cont'd)

Evaluation of the thesis shall be governed by School of Graduate Studies [General Regulations, Theses and Reports](#). The thesis shall normally be evaluated by two examiners approved by the Dean.

When the thesis or project report has been completed to the satisfaction of the Dean, the Dean shall recommend that the candidate be awarded the degree.

~~**Option 2:** HKR 6500, one of 6000 or 6001, 6120, plus one of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 (plus project)~~

~~**Option 3:** **Option 2:** HKR 6500, one of 6000 or 6001, 6120, plus 5 of 6003, 6111, 6121, 6122, 6123, 6124, 6125, 6610-6615 plus 21 credit hours in HKR courses (plus comprehensive examination)~~

~~Equivalent courses may be substituted from other Faculties or Schools subject to the approval of the School of Human Kinetics and Recreation Graduate Studies Committee. In addition, all on-campus candidates shall be required to complete four semester length seminars represented by successful completion of HKR 6314 (a non-credit, repeatable course) in each of four semesters during their tenure in the program. Off-campus or part-time candidates who cannot attend the on-campus seminar series can substitute 24 hours of participation (over their two year tenure) and present once at national, provincial or regional conferences, workshops, professional development seminars, or equivalent activities.~~

22.3 Evaluation

1. Candidates must obtain an A or B grade in each program course. In accordance with General Regulation [Evaluation, Evaluation of Graduate Students](#) only one course may be repeated.
2. When the Dean has determined, on the basis of consultation with the candidate and the instructors, that a candidate's work has fallen below a satisfactory level, he or she may recommend to the Dean of Graduate Studies that the candidate be required to withdraw from the program.

22.4 Thesis and Project Report

1. ~~A student completing a Master of Physical Education thesis option will be required to present a thesis proposal for his or her proposed thesis normally by the end of the third semester. The thesis proposal shall normally consist of a full written proposal (including literature review) submitted to the Supervisory Committee, a summary to be distributed to graduate students and faculty one week prior to the presentation, and a formal presentation normally at the seminar series. The candidate may~~

Human Kinetics and Recreation (cont'd)

~~be questioned on his/her proposal by the Supervisory Committee and seminar audience. Any deficiencies noted during the presentation should be carefully considered by the student and the Supervisory Committee prior to proceeding with the thesis.~~

- ~~2. Evaluation of the thesis or project report shall be governed by School of Graduate Studies [General Regulations, Theses and Reports](#). The thesis or project report shall normally be evaluated by two examiners approved by the Dean.~~
- ~~3. When the thesis or project report has been completed to the satisfaction of the Dean, the Dean shall recommend that the candidate be awarded the degree.~~

~~22.5 Comprehensive Examinations~~ 22.4 Comprehensive Examinations

- ~~1. Candidates electing to qualify for the Degree under ~~Option 3~~ Option 2 must write a comprehensive examination. The comprehensive examination shall examine the candidate's ability to integrate and apply material from all course work completed during study for the Degree. The candidate may be required to appear for an oral examination.~~
2. The comprehensive examination shall normally be constructed and evaluated by an examining committee of three examiners, at least two of whom shall be faculty members of the School of Human Kinetics and Recreation appointed by the Dean on the recommendation of the Dean of the School.
3. A candidate may not write the examination before completing the course work for the Degree.

Note:

Every candidate in graduate studies shall comply with the [General Regulations](#), the Degree Regulations and any additional requirements of the Department.

~~22.6 Courses~~ 22.5 Courses

- ~~• 6000 Quantitative Research Methods in Physical Education~~
- ~~• 6001 Qualitative Research Methods in Physical Education~~
- 6002 Scientific and Cultural Foundations of Physical Education
- 6003 Physical Education, Culture and Society
- 6110 Physical Education, Recreation and Sport Management
- 6111 Canadian Delivery Systems in Physical Education, Recreation and Sport
- 6120 Curriculum Development in Physical Education
- 6121 Physical Education Leadership
- 6122 Comprehensive School Health
- 6123 Coaching and Long-term Athlete Development in the Education System

Human Kinetics and Recreation (cont'd)

- 6124 ~~Adapted Physical Activity for Persons with Physical and Intellectual Disabilities~~ Adapted Physical Activity
- 6125 Evaluation and Testing in Physical Education
- 6130 ~~Computer Applications in Physical Education~~ Computer Applications for Physical Activity Measurement and Intervention
- 6314 Graduate Seminar Series (repeatable, non-credit)
- 6410 Sport and Society
- 6420 History of Physical Education and Sport
- 6500 Introduction to Research in Physical Education
- 6600 Contemporary Issues and Trends in Physical Education
- 6610-15 Individual Reading and Research in Special Areas
- 6700-6709 Individual Reading and Research in Special Areas of Physical Education”

Page 694, 2017-2018 Calendar, under the heading 27 Regulations Governing the Degree of Master of Science in Kinesiology, amend the section as follows:

“27 Regulations Governing the Degree of Master of Science in Kinesiology

Professor and Dean

H. Carnahan

The Degree of Master of Science in Kinesiology (M.Sc. (Kinesiology)) is offered to qualified full-time and part-time students by the School of Human Kinetics and Recreation. The [General Regulations](#) of the School of Graduate Studies of Memorial University of Newfoundland outlined in the current Calendar, and the Degree Regulations of the School of Human Kinetics and Recreation outlined below will apply to the Master of Science in Kinesiology program.

27.1 Qualifications for Admission

1. The admission requirements for the Master of Science in Kinesiology are as given under the [General Regulations](#) of the School of Graduate Studies. Admission is limited and competitive. The deadline for receipt of applications is April 1 for admission into the subsequent Fall semester. Preference for admission may be given to students with undergraduate degrees in relevant disciplines, with a minimum overall B average. Applications submitted through the School of Graduate Studies will be evaluated by the Graduate Studies Committee of the School of Human Kinetics and Recreation. Admission of a candidate to the program shall be made by the Dean of Graduate Studies.

Human Kinetics and Recreation (cont'd)

2. Only in exceptional circumstances, and only on the recommendation of the Dean of the School of Human Kinetics and Recreation, shall the Dean of Graduate Studies consider applicants who do not meet the requirements above.

27.6 Courses

6000 Quantitative Research Methods in Physical Education
6001 Qualitative Research Methods in Physical Education
6124 ~~Adapted Physical Activity for Persons with Physical and Intellectual Disabilities~~ Adapted Physical Activity
6130 ~~Computer Applications in Physical Education~~ Computer Applications for Physical Activity Measurement and Intervention
6410 Sport and Society”

6. Appointments to Senate and Senate Standing Committees

Section VII.N.2.b.ii of the Senate By-Laws and Procedures states:

“On the recommendation of the Committee on Elections and Committees, to appoint members to Senate Committees when Senate normally does not meet.”

Over the summer months, the Executive Committee received nominations for approval from the Committee on Elections and Committees. Through email polls, the Executive Committee of Senate approved the following.

Senate Standing Committees:

(Appointment - September 1, 2017 - August 31, 2020)

Committee on Academic Appeals

Peggy Coady (Business)

Derek Howse (Marine Institute)

Senate Standing Committees - Graduate Students' Union:

(Appointment – effective immediately - April 30, 2018)

University Planning and Budget Committee

Mahmoud Said

Academic Unit Planning Committee

Ahmad Alkasasbeh

Committee on Academic Appeals

Ahmad Alkasasbeh

Appointments to Senate and Senate Standing Committees (cont'd)

Committee on Elections and Committees

Emad Hussein

Committee on Honorary Degrees and Ceremonial

Ahmad Alkawasbeh

Committee on Research

Bahar Haghghat

Executive Committee of Senate

Hesam Hassan Nejad

Teaching and Learning Committee

Bahar Haghghat

Committee on Course Evaluation

Laila Albanna

**Senate Standing Committees - Memorial University of
Newfoundland Students' Union:**

(Appointment - effective immediately - September 30, 2017)

Academic Unit Planning Committee

Petra Chaffey-Johnson

Committee on Undergraduate Studies

Matt Barter

Phil Hillier

Committee on Academic Appeals

Sophia Solomon

Bailey Howard

Renata Lang

Committee on Honorary Degrees and Ceremonial

Michael O'Keefe

Committee on Course Evaluation

Matt Barter

Committee on Research

Sophia Solomon

Committee on Undergraduate Scholarships, Bursaries, and Awards

Matt Barter

Appointments to Senate and Senate Standing Committees (cont'd)

Executive Committee of Senate

Matt Barter

University Planning and Budget Committee

Sophia Solomon

University Committee on Admissions

Renata Lang

Committee on Elections and Committees

Renata Lang

Committee on Teaching and Learning

Matt Barter

Senate:

(Appointment - September 1, 2017 - August 31, 2020)

Michael Waller (School of Fine Arts - Grenfell Campus)

Ingrid Mary Percy (School of Fine Arts - Grenfell Campus)

Senate Standing Committees:

(Appointment - September 1 - 2017 - August 31, 2020)

Academic Unit Planning Committee

Ann Dorward (Medicine)

Ed Kendall (Radiology)

Committee on Academic Appeals

Stephen Carr (Biology)

Darren Furey (Library)

Leslie Redmond (Education)

Committee on Course Evaluation

Taraneh Abarin (Mathematics)

Charlene Walsh (Marine Institute)

Lyle R. Wetsch (Business)

Committee on Honorary Degrees and Ceremonial

Derek Howse (Marine Institute)

Committee on Research

Taraneh Abarin (Marine Institute)

Steven Carr (Biology)

Ed Kendall (Radiology)

Stephen J. Piercey (Earth Sciences)

Kim Welford (Earth Sciences)

Appointments to Senate and Senate Standing Committees (cont'd)

Committee on Undergraduate Studies

Leslie Redmond (Education)
Mary Stordy (Education)
Donna Walsh (English)

Committee on Undergraduate Scholarships, Bursaries and Awards

Larry Bauer (Business)
Derek Howse (Marine Institute)
Atanu Sarkar (Medicine)
Evan Simpson (Philosophy)

University Planning and Budget Committee

Taraneh Abarin (Mathematics)
Ed Kendall (Radiology)

The following seats are vacant on Senate Standing Committees:

Academic Unit Planning Committee	1
Committee on Academic Appeals	1
Committee on Course Evaluation	1
Committee on Elections and Committees	2
Committee on Honorary Degrees and Ceremonial	3
Committee on Research	1
Committee on Scholarships, Bursaries and Awards	1
University Planning and Budget Committee	2

It was agreed that a call be put out for these vacancies in September. The call for vacancies on the Executive Committee of Senate will soon be forwarded to members of Senate seeking nominations.

7. Honorary Degree Nominations Communication Plan – Ad Hoc Committee on Convocation

A memorandum dated August 23, 2017, was received from Victoria Collins, Chair, Ad Hoc Committee on Convocation, regarding Honorary Degree Nominations.

Ms. Collins noted that the conferring of an honorary degree is the highest honour that Memorial University bestows. Since 1950 Memorial has conferred more than 500 honorary degrees upon luminaries from around the world. To continue this valuable tradition, they are asking for everyone's assistance.

Over the next month Memorial will roll out a campaign aimed at the university community to encourage nominations and dispel myths about who can nominate or be nominated. Ms. Collins would like everyone

Honorary Degree Nominations Communication Plan – Ad Hoc
Committee on Convocation (cont'd)

to share this information with their networks and encourage participation in this important process.

As leaders within the university, she is hoping that everyone will consider developing nominations of individuals who they deem deserving of this honour and who meet the Senate-approved criteria.

To be considered for an honorary degree, candidates must normally have been benefactors of the university, or persons who have achieved eminence in learning or in the arts, or those who have otherwise distinguished themselves by outstanding public service.

Candidates for honorary degrees may be nominated by any member of the community to the Senate Committee on Honorary Degrees and Ceremonial which, after due deliberation, forwards its recommendations to Senate for consideration.

While visiting to accept a degree, distinguished individuals often also participate in other aspects of university life: meet with faculty, students and alumni; give a talk; hold a master class; or similar. The nominations may also be proposed to coincide with special events, anniversaries or other celebrations. If the nomination is successful, there will be an opportunity for the nominator to meet their nominee.

It is vital that all nominations be kept completely confidential from the nominees in order to respect the dignity of the individuals and the integrity of the selection process.

For more information or to access the nomination form, visit www.mun.ca/honorarygraduate.

Submit confidential nominations to the Secretary of Senate by October 13, noting any timing considerations.

REGULAR AGENDA

8. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

8.1 Faculty of Humanities and Social Sciences

It was moved by Professor Walsh, seconded by Dr. Sullivan, and carried that on page 279, 2017-2018 Calendar, under the heading 5 Course Syllabus, amend the section as follows:

Faculty of Humanities and Social Sciences (cont'd)

“5 Academic Regulations

5.1 Course Syllabus

All course syllabi must observe the University’s *General Academic Regulations (Undergraduate)—Evaluation of Student Work—Course Syllabus*. ~~In addition to adhering to provisions in *General Academic Regulations (Undergraduate)—Course Syllabus*, a~~ A course syllabus in the Faculty of Humanities and Social Sciences that is distributed in the first week of classes must also include:

- the academic semester and year;
- the course number, title, and number of the course and description consistent with the course’s entry as it appears in the University Calendar, including any prerequisites or co-requisites;
- the instructor’s name and at least one of a Memorial University email address or Memorial University online learning portal contact information (e.g., D2L);
- for courses delivered on campus, the instructor’s room number and phone number, if one has if they have been assigned;
- the instructor’s office hours for students, if the course is delivered on campus;
- a brief description of all required assignments and testing that comprise the method of evaluation;
- information about assigned readings that are common to all students and, if applicable, additional required readings;
- a provisional schedule that outlines the themes or topics to be covered throughout the semester; ;
- ~~accompanied by~~ an associated timeline of probable dates of required reading responsibilities for all students and the probable dates of all evaluation components; and,
- ~~a policy statement~~ information about missed testing, alternate and similar evaluation, and late penalties, all of which must be in accordance with University policies *General Academic Regulations (Undergraduate)—Evaluation of Student Work--Exemptions from Parts of the Evaluation*. As per *General Academic Regulations (Undergraduate)—Attendance*, a A course syllabus does not include attendance regulations unless approved by Senate and the course’s calendar entry includes the statement “attendance required.”

In addition, the syllabus for any course designated as Critical Reading and Writing (CRW), International Studies (IS), Language Study (LS) or Quantitative Reasoning (QR) must follow the applicable course

Faculty of Humanities and Social Sciences (cont'd)

guidelines available on the Faculty of Humanities and Social Sciences website.

Further information is available in the Faculty's syllabus template resource available at <http://www.mun.ca/hss/services/administration/faculty/index.php>

5.2 Special/Selected Topics Courses

1. A special/selected topics course must observe the University's *General Academic Regulations (Undergraduate)—Evaluation of Student Work—Special/Selected Topics Courses*.
2. Special/selected topics courses are offered infrequently and only in unusual circumstances.
3. A special/selected topics course is ineligible to appear in the calendar entry of an interdisciplinary Major or Minor program, a diploma program or a certificate program unless the course originates in that program, and is not eligible for the CRW, IS, LS or QR designations. A student or course instructor may, in consultation with the academic Head or program coordinator, submit a written request to the Faculty's Committee on Undergraduate Studies for a course substitution waiver which, if granted, will normally be conditional on the course being regularized.

5.3 Grading

1. In all courses, evaluation of student work must observe the University's *General Academic Regulations (Undergraduate)*, such as regulations concerning attendance, the method of evaluation, correction and return of student work, final examinations, grading, and academic misconduct.
2. In consultation with the course instructor and academic unit Head, the Dean of Humanities and Social Sciences vets and/or approves the final grade in a course. Emphasis is placed on ensuring that final grades are consistent with *General Academic Regulations (Undergraduate)—Grading*.
3. A student who wishes to question a grade in a course should follow the process outlined in the University's *General Academic Regulations (Undergraduate)—Appeal of Decisions—Route for Questioning Grades*.”

8.2 Diploma in Environmental Humanities

It was moved by Professor Walsh, seconded by Dr. Sullivan, and carried that on page 294, 2017-2018 Calendar, following section 7.5.4

Diploma in Environmental Humanities (cont'd)

Program of Study, insert the following new section and renumber subsequent sections accordingly:

“7.6 Diploma in Environmental Humanities

www.mun.ca/hss/xxxxxx

The Diploma in Environmental Humanities is administered by the Department of History.

Program Coordinator: Dr. John Sandlos, Department of History

The Diploma in Environmental Humanities fosters an interdisciplinary approach to the study of the environment. The program draws primarily on scholarship in the humanities, as well as cognate material from the social sciences, to bring cultural, literary-critical, historical, philosophical, and qualitative analyses to bear on environmental issues, on the conceptualization of nature, and on the relationship of the human to the non-human. Complementing the contributions to ecology from the quantitative sciences, the diploma engages with fundamental questions of meaning, value, responsibility, and purpose in response to local and global environmental issues.

7.6.1 Advising

Throughout their program of study, students for a Diploma in Environmental Humanities shall contact the Program Coordinator for assistance with course planning, declaring their program of study, prerequisite and registration issues, and with questions about the eligibility of any courses not listed here.

7.6.2 Declaring the Diploma in Environmental Humanities

Students wishing to declare a Diploma in Environmental Humanities shall consult with the Program Coordinator to discuss the requirements of the program. 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.

7.6.3 Regulations for the Diploma in Environmental Humanities

Students are required to complete a minimum of 27 credit hours in eligible courses offered by the Faculty of Humanities and Social Sciences, selected from Table 1 *Approved Courses for the Diploma in Environmental Humanities*, of which no more than 15 credit hours may be in a single discipline, as follows:

1. 3 credit hours in GEOG 1050;
2. 21 credit hours chosen from Table 1; and
3. 3 credit hours chosen from GEOG/HIST 4500, HIST 4125 or SOCI 4104;

Diploma in Environmental Humanities (cont'd)

Table 1 Approved Courses for the Diploma in Environmental Humanities

<u>Required Courses</u>	<u>Other Approved Courses</u>
<u>Geography 1050</u> At least one of <u>Geography/History 4500,</u> <u>History 4125, or Sociology</u> <u>4104</u>	<u>Anthropology 3050, 3083, 3280, 4450</u> <u>Geography 2001, 2425, 3610</u> <u>History 3030, 4011, 4125, 4220, 4252</u> <u>Philosophy 2561</u> <u>Religion 3880</u> <u>Russian 3440</u> <u>Sociology 2290</u>

Given the wide variety of course options, a student may elect to follow a variety of pathways. One possible pathway of course sequencing is presented in Table 2 Suggested Course Sequencing for the Diploma in Environmental Humanities.

Table 2 Suggested Course Sequencing for the Diploma in Environmental Humanities

<u>First 3 credit hours: GEOG 1050</u>
<u>Next 21 credit hours: Courses selected from Table 1</u>
<u>Final 3 credit hours: GEOG/HIST 4500, HIST 4125 or SOCI 4104</u>

7.6.4 Honours Essay Courses

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 the Diploma in Environmental Humanities. 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 an anchor or core course.

7.6.5 Course Prerequisites

Many approved courses are suitable for students in all disciplines without a background in the discipline. Other approved courses may have prerequisites.

7.6.6 Graduation Requirements

1. To be eligible for the award of a diploma, a student must have obtained an overall average of 60% or higher in the courses prescribed for that program.
2. A minimum of 9 credit hours in courses prescribed for the diploma program must be completed at this University.
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.

Diploma in Environmental Humanities (cont'd)

7.6.7 Regulations Concerning the Diploma in Humanities

A student may not be awarded the Diploma in Environmental Humanities and the Diploma in Humanities.”

Page 292, 2017-2018 Calendar, under the heading 7 Diploma Programs, amend the section to read 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 Environmental Humanities, the Diploma in Humanities, the Diploma in Performance and Communications Media, and the Diploma in Police Studies.”

Page 298, 2017-2018 Calendar, following the section 7.7.8 Preparation for a Bachelor of Arts, insert the following new section and renumber subsequent sections accordingly:

“7.7.9 Regulations Concerning the Diploma in Environmental Humanities

A student may not be awarded the Diploma in Humanities and the Diploma in Environmental Humanities.”

Page 402, 2017-2018 Calendar, under the heading 14.29 Sociology, amend Sociology 4104 as follows:

“4104 Environmental Sociology examines the social forces that drive environmental degradation and responses to environmental issues. The course explores how environmental issues, such as climate change, fisheries collapse, or deforestation, are intertwined with systems of social power and inequality. Through this course, students will learn

Diploma in Environmental Humanities (cont'd)

how a sociological perspective helps address the causes and potential solutions for environmental problems and conflicts.

CO: SOCI 3040, SOCI 3150 and 3 additional credit hours in Sociology courses at the 3000 level, or permission of the course instructor, or completion of 18 credit hours in the Diploma in Environmental Humanities

PR: SOCI 3040, SOCI 3150 and 3 additional credit hours in Sociology courses at the 3000 level, or permission of the course instructor, or completion of 18 credit hours in the Diploma in Environmental Humanities”

8.3 Department of Physics and Physical Oceanography

It was moved by Professor Walsh, seconded by Dr. Mulligan, and carried that on page 528, 2017-2018 Calendar, following the section 10.10.5 Honours in Environmental Physics, insert the following new sections:

“10.10.6 Major in Ocean Physics

1. English 1080 and English 1110 (or equivalent)
2. Chemistry 1050 and 1051 (or 1200 and 1001)
3. Mathematics 1000 and 1001
4. Computer Science 1510 or 1001
5. Mathematics 2000, 2050, 2260, and 3202
6. Physics 1050 (or 1020) and 1051
7. One of Ocean Sciences 2000, 2100 or 2200
8. Ocean Sciences 2300 or Physics 2300
9. Physics 2053, 2055, 2750, 2820, 3220, 3400, 3500, 3820, and 3900
10. Physics 3300, 3340, 4300
11. An additional 3 credit hours in physics courses numbered 3000 or higher. Students are encouraged to consider Physics 3150, 3750, 3800, 4205, or 4340.
12. Thirty-six credit hours in applicable elective courses

Mathematics 1001, 2000 and 2050 are prerequisites to many Physics courses and should be completed by the end of second year. Note that Mathematics 2260 is co-requisite to Physics 3220 and is recommended to be completed before the Winter term of the third year. Statistics 2550 is a recommended elective. Note that Ocean Sciences 1000 is a prerequisite for Ocean Sciences 2000 and Earth Sciences 1000 is a prerequisite for Ocean Sciences 2200 so that interested students need to consider this if they choose either of these options for item 7 above.

Department of Physics and Physical Oceanography (cont'd)

10.10.7 Honours in Ocean Physics

1. English 1080 and English 1110 (or equivalent)
2. Chemistry 1050 and 1051 (or 1200 and 1001)
3. Mathematics 1000 and 1001
4. Computer Science 1510 or 1001
5. Mathematics 2000, 2050, 2260, and 3202
6. One of Ocean Sciences 2000, 2100 or 2200
7. Physics 1050 (or 1020) and 1051
8. Physics 2053, 2055, 2750, 2820, 3220, 3230, 3400, 3500, 3750, 3800, 3820, 3900, 4820, 490A/B
9. Physics 2300 or Ocean Sciences 2300
10. Physics 3300, 3340, 4300, 4205, 4340
11. Statistics 2550
12. Twelve credit hours in applicable elective courses

Note: Certain of the graduate courses may be taken in the final year of the Honours Program with the permission of the Head of the Department.

Only 6 credit hours at the 1000 level in each of Physics, Chemistry and Mathematics can be used to fulfill the 120 credit hours required for the Honours program. The inclusion of Mathematics 1090, or the sequence of Physics 1020, 1021, and 1051, will each increase the number of credit hours required for the Honours Physics program by three.

Ocean Sciences 1000 is a prerequisite for Ocean Sciences 2000 and Earth Sciences 1000 is a prerequisite for Ocean Sciences 2200 so that interested students need to consider this if they choose either of these options for item 6 above.

An Honours thesis is to be presented on work undertaken by the candidate under the guidance of a Department of Physics and Physical Oceanography faculty member. The thesis comprises the 6 credit hour course Physics 490A/B. Students should see departmental advice regarding a thesis project no later than the winter preceding the semester in which the project will be started.

For specific courses and recommendations about electives, consultation with a faculty advisor in the Department is suggested.”

9. REPORT OF THE ACADEMIC COUNCIL OF THE SCHOOL OF GRADUATE STUDIES

9.1 Business Administration – Proposed New MBA in Social Enterprise and Entrepreneurship

It was moved by Dr. Surprenant, seconded by Dr. Dostaler, and carried that on page 636, 2017-2018 Calendar, following section 10.6 Courses, insert the following new program as follows:

“11 Regulations Governing the Degree of Master of Business Administration in Social Enterprise and Entrepreneurship

Professor and Dean
I. Dostaler

The Degree of Master of Business Administration in Social Enterprise and Entrepreneurship (MBA-SEE) is offered by full-time study only. These regulations must be read in conjunction with the General Regulations of the School of Graduate Studies of Memorial University of Newfoundland.

11.1 Qualifications for Admission

1. Admission is limited and competitive. To be eligible for consideration for admission to the MBA-SEE program, an applicant shall:

- a. normally hold at least a Bachelor's Degree, with a minimum 'B' standing, from an institution recognized by Senate;
- b. normally have two years of full-time work experience, or equivalent volunteer experience, deemed acceptable to the Faculty of Business Administration; and
- c. achieve a satisfactory total score on the Graduate Management Admission Test (GMAT), as well as an appropriate balance of verbal and quantitative GMAT score components. Specific information regarding test centres, dates, registration procedure and deadlines can be obtained by contacting the Graduate Management Admission Council at www.mba.com.

2. An applicant who did not complete a Bachelor's degree at a recognized university where English is the primary language of instruction must normally complete either the:

- a. 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
- b. International English Language Testing System (IELTS) and achieve a score of 7 (or higher).

Business Administration – Proposed New MBA in Social Enterprise and Entrepreneurship (cont'd)

Information regarding the TOEFL is available from the Educational Testing Service at www.ets.org. IELTS information is available at www.ielts.org.

3. In exceptional cases, an applicant who has not completed a Bachelor's degree, but who meets all other requirements, may be considered for admission. Preference will be given to those who present a high GMAT score, have a minimum of 10 years of full-time managerial and executive experience, and have completed several years of university studies. The Faculty may also take into account relevant professional credentials. An applicant who does not meet normal admission requirements may be required to complete, with a high level of achievement, certain undergraduate courses before being considered for admission.

4. Notwithstanding the above, in exceptional cases, and only on the strong recommendation of the Faculty of Business Administration, consideration may be given to an applicant who does not qualify for admission consideration in accordance with the entrance requirements outlined above. It is noted that the GMAT requirement is never waived.

11.2 Deadlines for Applications

Applications and all supporting documents must be received no later than Feb. 1 from applicants wishing to enter full-time studies in the Fall semester.

11.3 Procedure for Admission

1. Applications for admission to the MBA-SEE program must be made on the appropriate form to the School of Graduate Studies.

2. The following documents must be submitted in support of the official application form:

- a. letters of appraisal from two referees, at least one of whom has had close professional contact with the applicant within the last two years, and at least one of whom is capable of appraising the applicant's academic potential as a graduate student;
- b. official transcript from each university or other post-secondary institution previously attended (other than Memorial University of Newfoundland), to be sent directly by its Registrar (or equivalent officer) to the School of Graduate Studies. If not recorded on the transcript, official evidence of completion of undergraduate degree must also be submitted;
- c. the official GMAT score report, to be sent directly by the Graduate Management Admission Council. The code number for Memorial University of Newfoundland is LTT-6W-51;

Business Administration – Proposed New MBA in Social Enterprise and Entrepreneurship (cont'd)

- d. the Faculty of Business Administration's Employment/Volunteer Experience Form;
- e. the Faculty of Business Administration Social Enterprise Questionnaire; and
- f. where applicable, an official TOEFL or IELTS score report to be forwarded directly by the educational testing service.

3. Admission shall be by the Dean of the School of Graduate Studies on the recommendation of the Faculty of Business Administration. Upon notification from the Dean of the School of Graduate Studies of acceptance into the MBA-SEE program, an applicant must give written notice to the School of Graduate Studies of his/her intention to register. Such notice must be received by the Office of the Dean within 30 days of notification of acceptance, or three weeks prior to semester registration.

11.4 Program of Study

This program requires 36 credit-hours as specified below:

Fall Semester (15 credit-hours)

- Business 8500 Introductions to Social Innovation, Social Enterprise and Social Entrepreneurship (3 credit-hours)
- Business 8501 The Rise of Sustainable Capitalism (3 credit-hours)
- Business 8502 Organization Behaviour in Social Enterprise (2 credit-hours)
- Business 8503 Managing Social Enterprise: Marketing (2 credit-hours)
- Business 8504 Managing Social Enterprise: Accounting (2 credit-hours)
- Business 8505 Managing Social Enterprise: Human Resources (2 credit-hours)
- Business 8506 Managing Social Enterprise: Information Systems (2 credit-hours)

Winter Semester (15 credit-hours)

- Business 8507 Managing Social Enterprise: Finance (2 credit-hours)
- Business 8508 Managing Social Enterprise: Operations Management (2 credit-hours)
- Business 8509 Leadership within Social Enterprises (2 credit-hours)

Business Administration – Proposed New MBA in Social Enterprise and Entrepreneurship (cont'd)

- Business 8510 Economics and Public Policy (2 credit-hours)
- Business 8511 Strategic Business Planning for a Social Venture (2 credit-hours)
- Business 8512 Funding Social Ventures (2 credit-hours)
- Business 8513 Project Management (1 credit-hour)
- Business 8514 Legal and Regulatory Issues (1 credit-hour)
- Business 8515 Governing Social Enterprises (1 credit-hour)
- Business 8516 Social Impact Measurement (1 credit-hour)

Spring/Summer (6 credit-hours)

- Business 8517 Internship (3 credit-hours)
- Business 8518 Reflections (1 credit-hour)

11.5 Evaluation

1. Credit towards the MBA-SEE Degree will be granted only for those courses which have been approved as constituting part of the student's program of study and in which the student has obtained a mark of 65% or higher.

2. A student is required to withdraw from the MBA-SEE program if a final grade of 'C' is obtained in any course."

9.2 Engineering – Proposed New Master of Applied Science in Energy Systems Engineering

It was moved by Dr. Surprenant, seconded by Dr. George, and carried that on page 607, 2017-2018 Calendar, under the heading Regulations Governing the Degree of Master of Applied Science, amend paragraph to read as follows:

"The ~~D~~egree of Master of Applied Science (~~M.A.Sc.~~) is a ~~course-based Degree~~ offered in ~~three~~ four areas: (1) Computer Engineering, (2) Environmental Systems Engineering and Management, ~~and~~ (3) Oil and Gas Engineering, and (4) Energy Systems Engineering. For information on the research-focused Master of Engineering program, refer to the regulations governing the Degree of Master of Engineering."

Page 609, 2017-2018 Calendar, following the section 5.4.5 Courses, insert the following new section:

5.5 Energy Systems Engineering

5.5.1 Program of Study

The FEAS offers a program in Energy Systems Engineering leading to

Engineering – Proposed New Master of Applied Science in Energy Systems Engineering (cont'd)

the degree of Master of Applied Science in Energy Systems Engineering (MESE). The program is available on a full-time basis. There are two streams: Stream A focuses on energy generation and utilization and Stream B focuses heavily on electrical aspects of energy engineering. Stream A is designed for students with an engineering degree in mechanical, chemical, industrial or in a related discipline. Stream B is designed for students with a degree in electrical engineering or in a related discipline.

5.5.2 Qualifications for Admission

1. Admission is limited and competitive.
2. To be considered for admission, applicants shall normally hold a minimum second class Bachelor's Degree in engineering in mechanical, electrical, chemical, industrial, or in a related discipline from a university of recognized standing.
3. To be eligible for consideration for admission, applicants will meet the English Proficiency Requirements described under GENERAL REGULATIONS).

5.5.3 Degree Requirements

1. The degree program requires the completion of 30 credit hours for both streams A and B.
 - a. 6 credit hours comprising a project course ENGI 990A/990B.
 - b. 15 credit hours (five courses) - core courses

Stream A:

9 credit hours by completing ENGI 9853 Energy Economics and Policy, ENGI 9854 Fundamentals of Energy Systems, ENGI 9855 Energy and the Environment

6 credit hours by completing ENGI 9856 Electrical Power Systems, ENGI 9909 Advanced Thermodynamics

Stream B:

9 credit hours by completing ENGI 9853 Energy Economics and Policy, ENGI 9854 Fundamentals of Energy Systems, ENGI 9855 Energy and the Environment

6 credit hours by completing ENGI 9857 Instrumentation and Control of Energy Systems, ENGI 9858 Advanced Power Systems

- c. 9 credit hours (three courses) - elective courses

Stream A:

ENGI 9841 Thermal Power Plants, ENGI 9845 Energy Storage, ENGI 9843 Solar Engineering, ENGI 9420 Engineering Analysis, ENGI

Engineering – Proposed New Master of Applied Science in Energy
Systems Engineering (cont'd)

9985 Advanced Heat Transfer, ENGI 9901 Fundamentals of Fluid Dynamics, ENGI 9977 Computational Fluid Dynamics

Stream B:

ENGI 9845 Energy Storage, ENGI 9841 Thermal Power Plants, ENGI 9843 Solar Engineering, ENGI 9420 Engineering Analysis, ENGI 9896 Renewable Energy Systems, ENGI 9862 Power System Protection, ENGI 9863 Grid Integration of Energy Systems

5.5.4 Evaluation

Students must obtain a grade of at least 65% in all program courses to receive credit for the course towards their program requirements. Any student who fails to receive 65% or more in a course, must repeat the course in the case of core courses, or must either repeat or replace the course with another program course in the case of elective courses. Any student who receives a grade of less than 65% in two courses or in a repeated course will be required to withdraw from the program.

5.5.5 Courses

ENGI 990A MESE Project Course
ENGI 990B Continuation of MESE Project Course
ENGI 9853 Energy Economics and Policy
ENGI 9854 Fundamentals of Energy Systems
ENGI 9855 Energy and the Environment

Stream A ENGI 9856 Electrical Power Systems
 ENGI 9909 Advanced Thermodynamics
Stream B ENGI 9857 Instrumentation and Control of Energy
Systems
 ENGI 9858 Advanced Power Systems

ENGI 9420 Engineering Analysis
ENGI 9841 Thermal Power Plants
ENGI 9843 Solar Engineering
ENGI 9845 Energy Storage

Stream A ENGI 9977 Computational Fluid Dynamics
 ENGI 9985 Advanced Heat Transfer
 ENGI 9901 Fundamentals of Fluid Dynamics

Stream B ENGI 9896 Renewable Energy Systems
 ENGI 9862 Power System Protection

ENGI 9863 Grid Integration of Energy Systems”

Engineering – Proposed New Master of Applied Science in Energy Systems Engineering (cont'd)

Page 651, 2017-2018 Calendar, under the heading 13.12.2 Core Courses, insert the following courses:

“ENGI 990A MESE Project Course
ENGI 990B Continuation of MESE Project Course
ENGI 9853 Energy Economics and Policy
ENGI 9854 Fundamentals of Energy Systems
ENGI 9855 Energy and the Environment

Stream A ENGI 9856 Electrical Power Systems
 ENGI 9909 Advanced Thermodynamics
Stream B ENGI 9857 Instrumentation and Control of Energy
Systems
 ENGI 9858 Advanced Power Systems”

Page 651, 2017-2018 Calendar, under the heading 13.12.3 Other Courses, insert the following courses:

“ENGI 9420 Engineering Analysis
ENGI 9841 Thermal Power Plants
ENGI 9843 Solar Engineering
ENGI 9845 Energy Storage

Stream A ENGI 9977 Computational Fluid Dynamics
 ENGI 9985 Advanced Heat Transfer
 ENGI 9901 Fundamentals of Fluid Dynamics

Stream B ENGI 9896 Renewable Energy Systems
 ENGI 9862 Power System Protection
 ENGI 9863 Grid Integration of Energy Systems”

9.3 Engineering – Proposed New Master of Applied Science in Safety and Risk Engineering

It was moved by Dr. Surprenant, seconded by Dr. George, and carried that on page 610, 2017-2018 Calendar, following the section for Energy Systems Engineering, insert the following new section:

“5.6 Safety and Risk Engineering

5.6.1 Program of Study

1. The Faculty of Engineering and Applied Science offers a program in Safety and Risk Engineering leading to the degree of Master of Applied Science in Safety and Risk Engineering

Engineering – Proposed New Master of Applied Science in Safety and Risk Engineering (cont'd)

(M.A.Sc.(SRE)). The program is available on a full-time or part-time basis.

2. The program is offered by the Faculty of Engineering and Applied Science and will be administered by a Board of Studies appointed by the Dean of Engineering and Applied Science.

5.6.2 Qualifications for Admission

1. Admission is limited and competitive.
2. To be considered for admission, applicants shall normally hold a minimum second class Bachelor's Degree in engineering preferably in mechanical, chemical/process, civil, safety and inspection, environmental, mining/mineral, petroleum engineering, or computational science or in a related discipline from a university of recognized standing.
3. To be eligible for consideration for admission applicants will meet the English Proficiency Requirements described under **General Regulations, English Proficiency Requirements.**

5.6.3 Degree Requirements

1. The degree program requires the completion of 30 credit hours.
 - a. 6 credit hours comprising two project courses Engineering 915A/915B.
 - b. 15 credit hours by completing Engineering 9115, 9116, 9121, 9330 and 9411.
 - c. 9 credit hours (three courses) to be selected from Engineering 9340, 9516, 9609, 9622, 9625, , 9989, 9977, and 7623.

5.6.4 Evaluation

Students must obtain a grade of at least 65% in all program courses to receive credit for the course towards their program requirements. Any student who fails to receive 65% or more in a course must repeat the course in the case of core courses, or must either repeat or replace the course with another program course in the case of elective courses. Any student who receives a grade of less than 65% in two courses or in a repeated course will be required to withdraw from the program.

5.6.5 Courses

- 915A SRE Project Course (0 credit hours)
- 915B SRE Project Course (6 credit hours)
- 9115 Safety and Risk Engineering
- 9116 Reliability Engineering
- 9121 Advanced Safety and Risk Engineering
- 9330 Abnormal Situation Management, Fault Detection and Analysis

Engineering – Proposed New Master of Applied Science in Safety and Risk Engineering (cont'd)

- 9340 Material Degradation and Asset Management
- 9411 Probabilistic Methods in Engineering
- 9516 Similitude, Modelling and Experimental Data Analysis
- 9609 Environmental Risk Assessment
- 9622 Environmental Statistics
- 9989 Special Topics Course – Corrosion Principles, Prevention and Control
- 9625 Environmental impacts of offshore oil and gas operations
- 7623 Process Simulation
- 9977 Computer and Communication Security”

9.4 New Graduate Diplomas

It was moved by Dr. Surprenant, seconded by Dr. Anderson, and carried that on page 650, 2017-2018 Calendar, following section 13.9 Recommendation for Awarding Degree, insert the following new section and renumber subsequent sections as follows:

“13.10 Graduate Diploma in Engineering

The Faculty of Engineering and Applied Science offers course-based graduate diplomas in engineering to provide opportunities for engineers to obtain credentials or upgrade their training in various specialized areas of engineering. The programs are available on a full-time or part-time basis.

13.10.1 Qualifications for Admission

Admission to the program is limited and competitive. To be eligible for consideration for admission, an applicant shall meet the requirements described under General Regulations, Qualification for Admission, or shall have qualifications and/or engineering experience that is acceptable to the Dean of Graduate Studies and to the Faculty of Engineering and Applied Science. To be eligible for consideration for admission, applicants will meet English proficiency requirements described under General Regulations, English Proficiency Requirements.

13.10.2 Program of Study

The graduate diploma program requires the completion of 15 credit hours consisting of three (3) core and two (2) elective courses.

New Graduate Diplomas (cont'd)

13.10.2.1 Arctic Engineering

Engineering 9052, 9062, and 9092; and two courses selected from Engineering 9090, 9096, 9501, 9506, 9516

13.10.2.2 Communications Engineering

Engineering 9871, 9872, and 9878; and two courses selected from Engineering 9806, 9821, 9825, 9876, 9877

13.10.2.3 Geotechnical and Structural Engineering

Engineering 9501, 9723, and 9760; and two courses selected from Engineering 9002, 9022, 9505, 9520, 9750, 9755

13.10.2.4 Mechanics and Materials Engineering

Engineering 9210, 9520, and 9550; and two courses selected from Engineering 9501, 9516, 9540, 9982

13.10.2.5 Mechatronics Engineering

Engineering 9804, 9826, and 9940; and two courses selected from Engineering 9496, 9516, 9685, 9875

13.10.2.6 Safety and Risk Engineering

Engineering 9115, 9121, and 9411; and two courses selected from Engineering 9116, 9516, 9609, 9622

13.10.2.7 Thermofluids Engineering

Engineering 9901, 9977, and 9985; and two courses selected from Engineering 9211, 9420, 9501, 9902, 9979”

Page 636, 2017-2018 Calendar, following the section 10.6 Courses, insert the following new section:

“10.7 Graduate Diploma in Business Administration

The Faculty of Business Administration offers a course-based Graduate Diploma in Business Administration. The program is available on a part-time basis only.

New Graduate Diplomas (cont'd)

10.7.1 Qualifications, Deadlines, and Procedures for Admission

1. Admission is limited and competitive. To be eligible for consideration for admission to the Graduate Diplomas in Business Administration an applicant shall:
 - a. normally hold at least a Bachelor's Degree, with a minimum GPA of 3.0, from an institution recognized by Senate;
 - b. normally have five years of full-time work experience, or equivalent, deemed acceptable to the Faculty of Business Administration;
2. An applicant who did not complete a Bachelor's degree at a recognized university where English is the primary language of instruction must normally complete either the:
 - a. 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
 - b. International English Language Testing System (IELTS) and achieve a score of 7 (or higher).
3. The following documents must be submitted in support of the official application form:
 - a. letters of appraisal from two referees, at least one of whom has had close professional contact with the applicant within the last two years, and at least one of whom is capable of appraising the applicant's academic potential as a graduate student;
 - b. official transcript from each university or other post-secondary institution previously attended (other than Memorial University of Newfoundland), to be sent directly by its Registrar (or equivalent officer) to the School of Graduate Studies. If not recorded on the transcript, official evidence of completion of undergraduate degree must also be submitted;
 - c. the Graduate Diploma in Business Administration Employment Experience Form; and
 - d. where applicable, an official TOEFL or IELTS score report to be forwarded directly by the educational testing service.
4. Applications and all supporting documents must be received not later than May 1 for the Fall semester, October 15 for the Winter semester and January 15 for the Spring semester.

New Graduate Diplomas (cont'd)

10.7.2 Program of Study

1. The Graduate Diploma in Business Administration program requires the completion of 15 credit hours consisting of 12 credit hours in core courses and 3 credit hours in an elective course.

2. Core courses must include:

BUSI 8104 Organizations: Behaviour and Structure
BUSI 8106 Marketing
BUSI 8107 Managing Ethics and Responsibilities
BUSI 8109 Accounting for Management

3. Elective courses can include:

BUSI 8204 Human Resource Management
BUSI 8209 Leadership and Interpersonal Skills for Managers
BUSI 8108 Economics for Business
BUSI 8210 Labour Relations
BUSI 8205 Information Systems

Note: Other electives may be approved by the Faculty of Business Administration.

10.7.3 Evaluation

1. Credit towards the Graduate Diploma in Business Administration will be granted only for those courses which have been approved as constituting part of the student's program of study and in which the student has obtained a mark of 65% or higher.

2. A student is required to withdraw from the Graduate Diploma in Business Administration if a final grade of 'F' is obtained in any course.

3. To remain in the program, a student who obtains a final grade of 'C' or 'D' in any course must repeat that course when next offered, and obtain a minimum grade of 'B'. In the case of an elective course, a replacement course approved by the Faculty of Business Administration may be substituted for the course. Only one such repetition/replacement shall be permitted in the student's program. Should a grade of less than 'B' be obtained in a repeated or replacement course, the student shall be required to withdraw from the Graduate Diploma in Business Administration program.”

Page 632, 2017-2018 Calendar, following the section 8.21.2 Courses, insert the following new section:

New Graduate Diplomas (cont'd)

“8.22.1 Humanities and Social Sciences Diplomas

The Faculty of Humanities and Social Sciences offers two types of graduate diplomas: disciplinary and interdisciplinary. Disciplinary graduate diplomas provide an opportunity to acquire additional academic credentials at the graduate level within a humanities or social science discipline. Interdisciplinary graduate diplomas provide opportunities to acquire additional academic credentials at the graduate level in emerging interdisciplinary research areas in the humanities and social sciences.

- a. A graduate diploma may be offered in the disciplines of Anthropology, Classics, Economics, English, Folklore, French, Gender Studies, German, History, Linguistics, Philosophy, Political Science, Religious Studies, or Sociology. See <http://www.mun.ca/hss/programs/graduate/diplomas/index.php> for available offerings.
- b. Interdisciplinary graduate diplomas may also be offered, depending on time, resources, and opportunity. See <http://www.mun.ca/hss/programs/graduate/diplomas/index.php> for available offerings.

8.22.2 Qualifications for admission

To be considered for admission to the graduate diploma program, an applicant shall meet the minimum requirements set out in the a) [General Regulations of the School of Graduate Studies governing Graduate Diploma Programs](#), b) [Regulations Governing the Degree of Master of Arts](#) or [Regulations Governing the Degree of Master of Gender Studies](#); and c) where applicable, the particular regulations of the appropriate departments or disciplines. Applicants for admission to a graduate diploma in Anthropology, Classics, Economics, English, Folklore, French, Gender Studies, German, History, Linguistics, Philosophy, Political Science, Religious Studies, or Sociology must apply through the corresponding department or discipline, working with the department's or discipline's Graduate Officer. Applicants for admission to all other graduate diploma programs must apply by completing the appropriate form available at <http://www.mun.ca/hss/services/administration/forms.php>, working with the Faculty of Humanities and Social Sciences' Manager of Academic Programs (see <http://www.mun.ca/hss/about/contact/>).

8.22.3 Program requirements

Graduate diplomas in the Faculty of Humanities and Social Sciences conform to the [Program Requirements of the School of Graduate Studies for Graduate Diploma and Master's Programs](#) and require successful completion of 9-12 eligible credit hours in graduate courses.

New Graduate Diplomas (cont'd)

- a) Every candidate for a graduate diploma in the disciplines of Anthropology, Classics, Economics, English, Folklore, French, Gender Studies, German, History, Linguistics, Philosophy, Political Science, Religious Studies, or Sociology is required to complete the majority of all graduate courses in the relevant department or discipline. The number of credit hours (9-12) for the graduate diploma are at the discretion of the relevant department or discipline.

- b) A candidate admitted to a graduate diploma in the disciplines of Anthropology, Classics, Economics, English, Folklore, French, Gender Studies, German, History, Linguistics, Philosophy, Political Science, Religious Studies, or Sociology, who has demonstrated to the satisfaction of the appropriate department or discipline an ability to pursue research at the master's level, may, at the discretion of the department or discipline, be permitted subsequently to transfer a student's candidature to that of a master's in the affiliated program area. For credits to transfer between a graduate diploma and a master's degree, the two degrees have to share the same credentials. In this event, students will be awarded only one of a master's or graduate diploma in the same department or discipline.

8.22.4 Graduate courses

Most courses offered for a master's program are eligible for a graduate diploma program in the same discipline. However, courses designed for a master's essay or major project cannot be used towards a graduate diploma. For the list of ineligible courses, see <http://www.mun.ca/hss/programs/graduate/diplomas/index.php>.

The graduate courses counting towards a graduate diploma in Anthropology, Classics, Economics, English, Folklore, French, Gender Studies, German, History, Linguistics, Philosophy, Political Science, Religious Studies, or Sociology are at the discretion of the relevant department or discipline. Courses for these graduate diplomas are normally a subset of the courses required for the relevant department's or discipline's master's program, with one of the courses normally being a foundational course in the discipline. Prospective students should contact a [Graduate Officer](#) for specific details.

Courses in interdisciplinary graduate diploma programs are drawn from appropriate, thematically-related Faculty of Humanities and Social Sciences departments or disciplines. The interdisciplinary graduate diplomas on offer are advertised on <http://www.mun.ca/hss/programs/graduate/diplomas/index.php>; please consult the Faculty of Humanities and Social Sciences' Manager of Academic Programs (see <http://www.mun.ca/hss/about/contact/>) for details."

9.5 New Ph.D. in Scientific Computing

It was moved by Dr. Surprenant, seconded by Mr. Alkasasbeh, and carried that on page 739, 2017-2018 Calendar, following section 33.32.3 Courses, insert the following new section and renumber subsequent sections accordingly:

“33.33 Scientific Computing

www.mun.ca/science

Board of Study

- Dr. R. Haynes, Department of Mathematics and Statistics - Chair
- Dr. V. Booth, Department of Biochemistry
- Dr. C. Farquharson, Department of Earth Sciences
- Dr. T. Hu, Department of Computer Science
- Dr. F. Khan, Faculty of Engineering and Applied Science
- Dr. S. MacLachlan, Department of Mathematics and Statistics
- Dr. C. Rowley, Department of Chemistry
- Dr. I. Saika-Voivod, Department of Physics and Physical Oceanography

33.33.1 General Information

The Faculty of Science offers a program in Scientific Computing leading to a Doctor of Philosophy (PhD). Full-time and part-time options are available.

33.33.2 Qualifications for Admission

To be considered for admission,

1. applicants shall normally hold an M.Sc. degree in Scientific Computing, or equivalent, from a university of recognized standing, or
2. applicants shall normally hold an **M.Eng. or an M.Sc.** degree in an appropriate discipline from a university of recognized standing, or
3. **Students currently registered in the Master of Science (Scientific Computing), after a minimum of 12 months of successful performance in their program of studies, may be recommended for transfer into the PhD program, provided that the students can demonstrate, to the satisfaction of the Board of Study, an ability to pursue research at the doctoral level. This transfer normally occurs no later than the fifth semester of the student's M.Sc. program.**
~~registration and successful performance in the Scientific Computing MSc program for a minimum of 12 months and demonstration, to the satisfaction of the Board of Study, of an ability to pursue research at the Doctoral level, with the transfer happening no later than the fifth semester of the student's MSc program,~~

New Ph.D. in Scientific Computing (cont'd)

4. **In exceptional cases, applicants holding a B.Sc. (Honours or equivalent) degree** ~~A BSc degree with an Honours, or equivalent,~~—in an appropriate discipline that included completion of a thesis or dissertation from a university of recognized standing, **may be considered for direct admission into the PhD program.** ~~and the approval of the Board of Study to enter the PhD program.~~

33.33.3 Program of Study

The supervisory committee, in consultation with the Board of Study, will determine the minimum course requirements **and the program of study** for each PhD student in Scientific Computing. ~~depend on the admission route of the student. Given the interdisciplinary nature of the program, the guiding principle is to ensure an adequate background in both the core background in scientific computing and sufficient knowledge of the primary application area.~~ Substitutions for courses ~~in~~ **on** the list of core scientific computing courses ~~below~~ are possible. ~~in keeping with these guiding principles. Normally~~ **Given the interdisciplinary nature of the program,** the following guidelines would be followed:

1. Students who have completed an M.Sc. **degree** in Scientific Computing or equivalent will be required to complete two courses (6 credit hours) chosen from the list of core courses ~~below~~ or two courses (6 credit hours) from the application area as appropriate.
2. Students who have completed **an M.Eng. or** a disciplinary M.Sc. **degree** will be required to complete four courses (12 credit hours). Normally, three (9 credit hours) of these courses would be chosen from the list of core courses ~~below~~ to ensure sufficient training in scientific computing.
3. Students who transfer to the PhD program from ~~our MSc in Scientific Computing~~ **the Master of Science (Scientific Computing)** program are required to complete six courses (18 credit hours) in total. Normally three to four of these courses would be from the list of core courses ~~below~~.
4. ~~In the exceptional case that a student is accepted to the PhD program after completing a BSc (Hons), the requirement will be completion of~~ **Students holding a B.Sc (honours or equivalent) degree who are directly admitted into the program will be required to complete** six courses (18 credit hours). Normally three to four of these courses would be from the list of core courses ~~below~~.
5. Students are required to pass a single Comprehensive Examination as prescribed under **Comprehensive Examinations, Ph.D. Comprehensive Examination**. This shall

New Ph.D. in Scientific Computing (cont'd)

be an oral exam, and may include the presentation of a written research proposal.

6. **Upon completion of the work for the thesis, each student is required to present a seminar suitable for the interdisciplinary audience of Scientific Computing program students.**

The submission of an acceptable thesis is required. The thesis is to contain an original scholarly contribution which must be submitted to the School of Graduate Studies for final examination. The thesis must be written in a format according to procedures outlined in Guidelines for Theses and Reports by the School of Graduate Studies at www.mun.ca/sgs/go/guid_policies/theses.php.”

9.6 Education – New Subspeciality

It was moved by Dr. Surprenant, seconded by Dr. Anderson, and carried that on page 640, 2017-2018 Calendar, under the heading 11.8.2 Curriculum, Teaching and Learning Studies, amend the section as follows:

“11.8.2 Curriculum, Teaching and Learning Studies

The Master of Education in Curriculum, Teaching and Learning Studies provides opportunities for students to investigate pertinent issues in these interrelated areas from a variety of perspectives: philosophical, historical, social, cultural, cognitive, and technological. The conceptual bases of curriculum, teaching, and learning are explored and analysed along with related examples of historical and current policies and practices. The program encourages the development of broad-based insights into issues related to these areas through an emphasis on critical inquiry and reflective practice. It supports students in the development and enhancement of research capabilities and professional expertise and practice.

Students may choose between two program options in Curriculum, Teaching and Learning Studies:

Option One

Students may choose to specialize in one of a number of areas of study: Computers in Education, Indigenous and Place-based Education, Language and Literacy Studies, Mathematics Education, Music Education, Science Education, Second Language Education, Social Justice Education, Social Studies Education, Special Education, and Teacher-Librarianship.

Option Two

In consultation with a faculty advisor, students may choose to design a program speciality which addresses their research interests. Speciality

Education – New Subspeciality (cont'd)

foci within Curriculum, Teaching, and Learning Studies are numerous and may include technology and web-based education, arts education, rural and multi-age education. Students may alternatively select appropriate courses from other Master of Education program offerings to develop a program to meet their learning goals. Students interested in this option are strongly encouraged to explore and to focus their research and study interests and to discuss these interests with a faculty advisor.

1. **Admission Requirements**

In addition to meeting the requirements in the School of Graduate Studies **General Regulations**,

- a. students must have completed a range and number of courses in Education deemed appropriate by the Faculty and Dean of Education.
- b. a minimum of two years of teaching or related experience is recommended.
- c. for a specialization in special education, a completed Bachelor of Special Education Degree or equivalent is required and enrolment will be limited to applicants articulating a research focus for which appropriate thesis supervision is available.

2. **Program Requirements**

- a. all students in the Master of Education Program (Curriculum, Teaching and Learning Studies) shall be required to complete:
 - 6100 Research Designs and Methods in Education
 - 6300 Teaching and Learning
 - 6602 Curriculum Studies
- b. students on the thesis route must complete at least one of the research courses listed below (6100 is prerequisite):
 - 6466 Qualitative Research Methods
 - 6467 Quantitative Research Methods
 - 6468 Critical Approaches to Educational Research
 - 6469 Theoretical and Methodological Foundations of Action Research
 - 6909 Narrative Approaches to Teaching, Learning and Research
 - and at least 2 courses from any university graduate offering provided that those chosen are appropriate to the student's program
- c. students choosing Option One on the internship, paper folio, project route, and comprehensive-course route must complete at least 2 courses within one particular specialty area from the list in **Core speciality courses in**

Education – New Subspeciality (cont'd)

the study of curriculum, teaching and learning areas below.

- d. students choosing Option Two must choose courses that have been designated through consultation with faculty advisor during the first semester of studies in this program.
- e. students choosing the Mathematics Education specialization within Curriculum, Teaching and Learning Studies must complete 6630 Critical Issues in Mathematics Education prior to completing other Mathematics Education specialty courses.
- f. students choosing the Special Education specialization within Curriculum, Teaching and Learning Studies must complete a thesis and at least two of the required Special Education speciality courses.
- g. students on the comprehensive-course route must complete one of the following courses: E6390 Research and Development Seminar in Curriculum, Teaching and Learning Studies or E6394 Biographical Explorations of Teaching and Learning or E6913 Putting Action Research Methodologies into Practice (prereq. E6469). Normally students would be permitted to register for one of these courses only after all other course requirements have been met, or during the student's last semester of studies.
- h. to meet total credit hour requirements students may choose electives from any university graduate offering provided that those chosen are appropriate to the student's program:
 - students on the thesis route must complete a total of at least 18 credit hours
 - students on the internship, paper folio, or project route must complete a total of at least 24 credit hours and the appropriate course option 6391 Internship in Curriculum, Teaching and Learning Studies (6 credit hours), 6392 Project in Curriculum, Teaching and Learning Studies (6 credit hours), or 6393 Paper Folio in Curriculum, Teaching and Learning Studies (6 credit hours)
 - students on the comprehensive-course route must complete a total of at least 30 credit hours
- i. **Core speciality courses in the study of curriculum, teaching and learning areas:**
 - **Computers in Education**
 - 6610 Research on Computers in the Curriculum

Education – New Subspeciality (cont'd)

- 6620 Issues and Trends in Educational Computing
- **Indigenous and Place-based Education**
 - 6394 Biographical Explorations of Teaching and Learning
 - 6462 Cultural, Landscapes, Knowledge and Pedagogy
 - 6603 Place, Ecology, and Education
 - 6923 Perspectives in Indigenous Education
 - 6924 Decolonizing Pedagogies
- **Language and Literacy Studies**
 - 6106 Popular Culture and Literacy Education
 - 6108 Literacy and Language Education: Sociocultural Perspectives
 - 6641 Writing in the Primary, Elementary and Secondary Schools
 - 6642 Developmental Reading (K-8)
 - 6643 Contemporary Issues in Intermediate and Secondary English
 - 6645 Literature for Children and Adolescents
 - 6647 Diagnosis and Remediation of Reading and Writing Difficulties
 - 6649 Exploring Multiple Literacies
 - 6693 Literacy for the Young Child in Home and School
- **Mathematics Education**
 - 6630 Critical Issues in Mathematics Education
 - 6634 Teaching and Learning to Solve Mathematics Problems (*prerequisite E6630*)
 - 6639 Technology and the Teaching and Learning of Mathematics (*prerequisite E6630*)
- **Music Education**
 - 6502 Contexts of Music Education
 - 6503 Teaching Music from the Podium
 - 6504 Musicianship, Pedagogy, and Learning
- **Science Education**
 - 6653 Contemporary Issues in Science Education I
 - 6655 The Nature of Science and Science Education
 - 6658 Teaching and Learning Scientific Concepts, Laws, and Theories
- **Second Language Education**
 - 6668 Current Issues in Second Language Education

Education – New Subspeciality (cont'd)

- 6669 Graduate Seminar in Second Language Teaching and Learning
 - 6673 Second Language Teaching, Learning and Curriculum
 - 6674 Research in Second Language
 - **Social Justice Education**
 - 6105 Social and Cultural Difference and Education
 - 6106 Popular Culture and Literacy Education
 - 6108 Literacy and Language Education: Sociocultural Perspectives
 - 6440 Family School Relations: Leadership and Policy Implications
 - 6463 Relationships First: Rethinking Educational Engagement (*credit may be obtained for only one of 6463 or 6936*)
 - 6465 School Violence: Leadership and Policy Implications
 - 6468 Critical Approaches to Educational Research
 - 6909 Narrative Approaches to Teaching, Learning and Research
 - 6913 Putting Action Research Methodologies into Practice (*prerequisite: 6469 Theoretical and Methodological Foundations of Action Research*)
 - **Social Studies Education**
 - 6670 Teaching and Learning Social Studies
 - 6671 Research in Social Studies Education
 - 6672 Issues and Trends in Social Studies
 - **Special Education**
 - 6710 Issues in Development and Implementation of Special Education Policy and Practices
 - 6712 The Nature and Assessment of Behaviour Disorders in Children and Adolescents
 - 6714 Principles and Practices in Exceptionality
 - 6755 Nature and Assessment of Learning Disabilities
 - **Teacher-Librarianship**
 - 6662 Seminar in Teacher-Librarianship
 - 6664 Seminar on School Improvement
- Additional courses in the speciality areas are available.”

Page 644, 2017-2018 Calendar, under the heading 11.9 Courses, amend the section as follows:

Education – New Subspeciality (cont'd)

“11.9 Courses

Course descriptions for graduate course in Education are available at www.mun.ca/educ/grad/fee_deadline.php.

A selection of the following graduate courses shall be offered to meet the requirements of candidates, as far as the resources of the Faculty allow.

- 6100 Research Designs and Methods in Education
- 6105 Social and Cultural Difference and Education
- 6106 Popular Culture and Literacy Education
- 6107 Arts Education: Creativity in the Classroom
- 6108 Literacy and Language Education: Sociocultural Perspectives
- 6202 Social Context of Educational Leadership
- 6203 Leadership: Theory and Practice
- 6204 Educational Administration: Theory and Practice
- 6205 Educational Policy: Theory and Practice
- 6290 Research and Development Seminar in Educational Leadership Studies
- 6291 Internship in Educational Leadership Studies (6 credit hours)
- 6292 Project in Educational Leadership Studies (6 credit hours)
- 6293 Paper Folio in Educational Leadership Studies (6 credit hours)
- 6300 Teaching and Learning
- 6321 Supervisory Processes in Education
- 6330 Educational Finance
- 6335 Legal Foundations of Educational Administration
- 6390 Research and Development Seminar in Curriculum, Teaching and Learning Studies
- 6391 Internship in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6392 Project in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6393 Paper Folio in Curriculum, Teaching and Learning Studies (6 credit hours)
- 6394 Biographical Explorations of Teaching and Learning
- 6410 Seminar on Philosophical Issues in Educational Policy and Leadership
- 6420 Ethical Issues and Perspectives in Educational Practice and Policy
- 6425 Comparative Perspectives in Public Education, Reform, and Leadership
- 6426 Computer Applications in Educational Administration
- 6427 School Community Partnerships

Education – New Subspeciality (cont'd)

- 6440 Family-School Relations: Leadership and Policy Implications
- 6461 Graduate Research Writing
- 6462 Cultural Landscapes, Knowledge and Pedagogy
- 6463 Relationships First: Rethinking Educational Engagement (*credit may be obtained for only one of 6463 or 6936*)
- 6465 School Violence: Leadership and Policy Implications
- 6466 Qualitative Research Methods
- 6467 Quantitative Research Methods
- 6468 Critical Approaches to Educational Research
- 6469 Theoretical and Methodological Foundations of Action Research
- 6502 Contexts of Music Education
- 6503 Teaching Music from the Podium
- 6504 Musicianship, Pedagogy, and Learning
- 6590 Research and Development Seminar in Information Technology in Education
- 6600 Learning and Motivation
- 6602 Curriculum Studies
- 6603 Place, Ecology and Education
- 6610 Research on Computers in the Curriculum (*prerequisite: 6620*)
- 6615 Educational Software Prototyping and Evaluation
- 6620 Issues and Trends in Educational Computing
- 6630 Critical Issues in Mathematics Education
- 6632 Current Research in Teaching and Learning of Elementary School Mathematics (*prerequisite: 6630*)
- 6634 Teaching and Learning to Solve Mathematics Problems (*prerequisite: 6630*)
- 6635 Teaching and Learning Geometry
- 6636 Teaching and Learning the Concept of Number and Operations
- 6639 Technology and the Teaching and Learning of Mathematics (*prerequisite: 6630*)
- 6641 Writing in the Primary, Elementary and Secondary Schools
- 6642 Developmental Reading (K-8)
- 6643 Contemporary Issues in Intermediate and Secondary English
- 6644 Drama in Education
- 6645 Literature for Children and Adolescents
- 6646 Literature in the Secondary School
- 6647 Diagnosis and Remediation of Reading and Writing Difficulties
- 6649 Exploring Multiple Literacies
- 6653 Contemporary Issues in Science Education I

Education – New Subspeciality (cont'd)

- 6655 The Nature of Science and Science Education
- 6658 Teaching and Learning Scientific Concepts, Laws, and Theories
- 6660 Information Technology
- 6661 Applications of Media in Education
- 6662 Research Seminar in Teacher-Librarianship
- 6663 The Organization of Learning Resources
- 6664 Seminar in School Improvement
- 6668 Current Issues in Second Language Education
- 6669 Graduate Seminar in Second Language Teaching and Learning
- 6670 Teaching and Learning Social Studies
- 6671 Research in Social Studies Education
- 6672 Issues and Trends in Social Studies
- 6673 Second Language Teaching, Learning and Curriculum (*credit may be obtained for only one of Education 6673, the former 6665 or 6667*)
- 6674 Research in Second Language Writing Education
- 6675 Current Issues in Rural Education
- 6676 Research and Practice in TESL/TEFL (Teaching English as a Second/Foreign Language)
- 6693 Literacy for the Young Child in Home and School
- 6700 Ethical and Legal Issues in Counselling
- 6701 Issues and Methodologies in Learning and Developmental Research
- 6702 Counselling: Theory and Practice
- 6703 Personal and Professional Development Group (non-credit)
- 6705 Nature and Development of School Counselling Services
- 6706 Career Education and Career Counselling
- 6707 Assessment for Counsellors
- 6708 Group Counselling: Theory and Practice
- 6709 Assessment of Intelligence and Learning Skills
- 6710 Issues in Development and Implementation of Special Education Policy and Practices
- 6711 Behaviour Modification in the Educational Setting
- 6712 The Nature and Assessment of Behaviour Disorders in Children and Adolescents
- 6713 Educational Applications of Contemporary Cognitive Psychology
- 6714 Principles and Practices in Exceptionality
- 6715 The Theory and Practice of Peer Helping Programs
- 6716 Working with Families and Parents
- 6717 Counselling Adolescents
- 6718 Elementary School Counselling
- 6719 Cultural Issues in Counselling

Education – New Subspeciality (cont'd)

- 6720 Internship in Counselling Psychology (9 credit hours)
- 6755 Nature and Assessment of Learning Disabilities
- 6801 Foundations of Post-Secondary Programs
- 6802 Adult Learning and Development
- 6803 Research in Post-Secondary Education
- 6804 Leadership and Human Resource Development in Post-Secondary Education
- 6805 Advanced Human Resource Communications
- 6806 Interprofessional Education in the Health Professions
- 6807 Economics and Finance of Post-Secondary Education
- 6822 Foundations of Instructional Design in Post-Secondary Education
- 6823 Principles of Program Design and Development
- 6831 Organization and Administration of Student Services for the Adult Learner
- 6832 Issues and Trends in the Administration of Post-Secondary Education
- 6841 Student Development Theory, Services and Programs in Post-Secondary Education
- 6890 Research and Development Seminar in Post-Secondary Studies
- 6891 Internship in Post-Secondary Studies (6 credit hours)
- 6900-6910 Special Topics (excluding 6909)
- 6909 Narrative Approaches to Teaching, Learning and Research
- 6911 Multiage Education: An Introduction
- 6912-6950 Special Topics (excluding 6913, 6923, 6924, 6927, 6931, 6932, and 6940)
- 6913 Putting Action Research Methodologies into Practice (*prerequisite: 6469 Theoretical and Methodological Foundations of Action Research*)
- 6923 Perspectives in Indigenous Education
- 6924 Decolonizing Pedagogies
- 6927 Digital Game-based Learning
- 6931 Educational Technology Law
- 6932 Intellectual Technology Law in Teaching and Learning
- 6940 Administration of Student Services in Post-Secondary Education”

The President noted that he would like to congratulate and thank the Senate Committee on Undergraduate Studies and the Academic Council of the School of Graduate Studies for all their hard work. There is a significant amount of work here that they have done.

Dr. Kirk Anderson also offered congratulations to the tremendous amount of work done by both the Senate Committee on Undergraduate Studies and the Academic Council of the School of Graduate Studies.

10. Academic Unit Planning Procedures for the St. John's Campus and Marine Institute

The President invited Dr. Linda Rohr, Chair, Academic Unit Planning Committee, to present the document on Academic Unit Planning Procedures for the St. John's Campus and Marine Institute.

Dr. Rohr noted that the procedures for the St. John's campus have been revised in response to questions regarding accreditation and Academic Unit Planning that were raised when Senate originally discussed the documents. No revisions to the Marine Institute procedures were required.

It was moved by Dr. Surprenant, seconded by Mr. Brett, and carried that the revisions to the Academic Unit Planning Procedures be approved.

11. REMARKS FROM THE CHAIR - QUESTIONS/COMMENTS FROM SENATORS

The President commented on the following:

- Two new Vice-President appointments:
 - Dr. Jeff Keshen, Vice-President (Grenfell Campus) (effective November 15)
 - Dr. Neil Bose, Vice-President (Research) (effective November 1)
 - There will be events in November to highlight these appointments
 - Thank you to all the Search Committees for their commitment and to the Board of Regents who met off schedule
- Acknowledged Dr. Mark Abrahams, Vice-President (Research) *Pro Tempore*
- Dr. Ivan Emke will continue as Vice-President (Grenfell Campus) *Pro Tempore* until Dr. Jeff Keshen starts on November 15th
- Primary Core contract for Core Science building approved by Government. The building has been started and steel is going up.
- Received approval from province and Board of Regents for new Animal Resource Building
- Acknowledged Marine Institute completion of Marine Base Phase IIA
- Start of \$28 million agreement with Honeywell
- Two major CFI Awards approved
- Meetings held with President of National Research Council Iain Stewart
- Research Development Corporation - Innovation NL
- University budget

Remarks from the Chair – Questions/Comments from Senators (cont'd)

- Acknowledged New Deputy Minister of Advanced Education, Skills and Labour, Al Hawkins
- Spoke of the Alumni Weekend - President's Golden Celebration - recognition of alumni celebrating 50 years of graduation
- 50th Anniversary for the Faculty of Medicine this year, and a number of 50th year Anniversaries this year
- Commented on the Galbraith Lecture
- Participated in Calgary/Toronto Affinity Events
- Paradigm Hyperloop – congratulated Engineering students who were part of this; placed second in the world
- Congratulated Enactus Team on winning the National Championship. Enactus Memorial will compete at the Enactus World Cup in London, England, next week.

Dr. Golfman commented on the following:

- New Dean of Business, Dr. Isabelle Dostaler, has started her position and we welcome her to today's meeting
- New Dean of Humanities and Social Sciences, Dr. Jennifer Simpson, will start her position next month
- New University Registrar, Mr. Tom Nault, will start his position in November
- Busy with the Search for the Dean of Pharmacy

12. ADJOURNMENT

The meeting adjourned at 4:45 p.m.

CHAIRMAN

SECRETARY