

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
SENATE

The regular meeting of Senate was held on September 13, 2011 at 4:00 p.m. in Room E5004, Education Building.

1. PRESENT

The President, Dr. D. Wardlaw, Dr. R. Gosine (for Dr. C. Loomis), Dr. M. Bluehardt, Dr. A. Fisher (for Dr. M. Abrahams), Dr. A. Al-Krenawi, Dr. K. Anderson, Mr. B. Belbin, Mr. G. Blackwood, Ms. L. Busby, Dr. A. Card, Mr. G. Collins, Dr. N. Golfman, Ms. K. Kennedy, Dr. J. McFetridge-Durdle, Dr. L. Rankin, Dr. J. Rourke, Dr. R. Venkatesan, Dr. E. Waterman, Dr. W. Zerbe, Dr. F. Balisch, Dr. P. Bendzsa, Mr. P. Brett, Dr. J. J. Connor, Dr. J. Connor, Dr. S. Corbin-Dwyer, Dr. G. Farrell, Dr. A. Fiech, Dr. D. Foster, Dr. K. Gallagher, Dr. G. George, Mr. D. Haynes, Dr. D. Kelly, Dr. D. Kimberley, Dr. P. Marino, Dr. A. Muhammad, Dr. S. Mulay, Dr. W. Okshevsky, Dr. J. Parsons, Dr. D. Peters, Mr. B. Riggs, Dr. C. Sharpe, Dr. P. Trnka, Professor D. Walsh, Dr. E. Warkentin, Dr. M. Wernerheim, Dr. P. Wilson, Mr. S. Despres, Ms. K. Keats, Mr. J. Robinson, Ms. A. Haighway, Ms. A. Howley, Mr. R. Leamon, Mr. J. Ryder, Ms. C. Simms, Mr. M. Walsh, Mr. C. Wass, Ms. B. Winsor.

Dr. Kachanoski welcomed Senators back for the first meeting of Senate for the new academic year with a special welcome to the following new and returning Senators:

Ex-officio Members:

Dr. David Wardlaw: Provost and Vice-President (Academic)
Dr. Mary Bluehardt: Vice-President (Grenfell Campus)
Dr. Kirk Anderson: Dean, Faculty of Education
Dr. Ramachandran Venkatesan: Dean, Pro Tempore, Faculty of Engineering and Applied Science
Dr. Lisa Rankin: Acting Dean, Faculty of Arts

Newly Elected and Re-elected Senators

Dr. Paul Wilson, Grenfell Campus
Professor Donna Walsh, Humanities
Captain James Parsons, Marine Institute
Mr. Paul Brett, Marine Institute
Dr. Shree Mulay, Medicine
Dr. Gerard Farrell, Medicine
Dr. Paul Bendzsa, Music
Dr. Adrian Fiech, Science
Dr. Christopher Sharpe, Social Sciences

Attending by Invitation

Dr. Kachanoski welcomed Dr. Ray Gosine, Associate Vice-President (Research), who was attending on behalf of Dr. Loomis regarding agenda item 7.

Retirement

Dr. Kachanoski noted for the record that Professor Vivienne Kuester retired from the University and resigned from the Senate effective September 1, 2011.

2. **APOLOGIES FOR ABSENCE**

Apologies were received from Dr. L. Hensman, Dr. J. Brunton, Dr. R. Helleur, Dr. S. Kocabiyik, Dr. A. Rose.

3. **MINUTES**

It was moved by Mr. Despres, seconded by Mr. Blackwood, and carried that the Minutes of the regular meeting held on May 10, 2011 be taken as read and confirmed.

CONSENT AGENDA

It was moved by Mr. Riggs, seconded by Dr. Golfman, and carried that the consent agenda, comprising the items listed in 4 and 5 below, be approved as follows:

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

4.1 **Department of English**

Page 118, 2011-2012 Calendar, under the heading 9.11.4 Course Descriptions, amend the course description for English 2122 to read as follows:

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

4.2 **Departments of Anthropology and Sociology**

Page 100, 2011-2012 Calendar, under the heading 9.2.1 General Degree, amend clause 1.e. to read as follows:

“e. The remaining 12 credit hours are to be chosen from any of the Anthropology 3000- or 4000-level offerings.”

Page 101, 2011-2012 Calendar, under the heading 9.2.4 Course Descriptions, add the following Anthropology courses:

“2260 War and Aggression is a critical review of ethological, psychological and sociological approaches to the understanding of violence and organized aggression.

Note: *Credit may be obtained for only one of Anthropology 2260, the former Sociology/Anthropology 2260, or the former Sociology 2260.*

Departments of Anthropology and Sociology (cont'd)

2280 The City examines varieties of urban life around the world and through history. The city as habitat and as spectacle.

Note: *Credit may be obtained for only one of Anthropology 2280, the former Sociology/Anthropology 2280, or the former Sociology 2280.*

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

Note: *Credit may be obtained for only one of Anthropology 2350, Religious Studies 2350, the former Sociology/Anthropology 2350, or the former Sociology 2350.*

3100 Dominance and Power is a study of dominance behaviour in human societies, surveying the range from private to public and from openly exploitative to fully legitimate power systems.

Note: *Credit may be obtained for only one of Anthropology 3100, the former Sociology/Anthropology 3100, or the former Sociology 3100.*

3240 Regional Studies: Contemporary Native Peoples of Canada - inactive course.

Note: *Credit may be obtained for only one of Anthropology 3240, the former Sociology/Anthropology 3240, or the former Sociology 3240.*

3241 Regional Studies: The Atlantic - inactive course.

Note: *Credit may be obtained for only one of Anthropology 3241, the former Sociology/Anthropology 3241, or the former Sociology 3241.*

3242 European Societies - inactive course.

Note: *Credit may be obtained for only one of Anthropology 3242, the former Sociology/Anthropology 3242, or the former Sociology 3242.*

3249 Peoples of the Pacific - inactive course.

Note: *Credit may be obtained for only one of Anthropology 3249, the former Sociology/Anthropology 3249, or the former Sociology 3249.*

3254-3257 Regional Studies are interdisciplinary approaches to the study of selected regions.

Note: *Credit may be obtained for only one of Anthropology 3254-3257, the former Sociology/Anthropology 3254-3257, or the former Sociology 3254-3257.*

3260 Social and Economic Development (same as Sociology 3260) is an examination of theories of development including a critical analysis of empirical situations to which they are applied.

Note: *Credit may be obtained for only one of Anthropology 3260, Sociology 3260, or the former Sociology/Anthropology 3260.*

3630 New Media Methods in Social Research (same as Sociology 3630) will explore non-print means for recording social behaviour and will utilize various forms of the media as a descriptive and an analytic tool.

Note: *Credit may be obtained for only one of Anthropology 3630, Sociology 3630, or the former Sociology/Anthropology 3630.*

Departments of Anthropology and Sociology (cont'd)

3700 Social and Cultural Change - inactive course.

Note: *Credit may be obtained for only one of Anthropology 3700, the former Sociology/Anthropology 3700, or the former Sociology 3700.*

4070 Aboriginal Self-Governance - inactive course.

Prerequisite: Anthropology 3240

Note: *Credit may be obtained for only one of Anthropology 4070, the former Sociology/Anthropology 4070, or the former Sociology 4070.*

4071 Social and Cultural Aspects of Health and Illness (same as Sociology 4071) - inactive course.

Note: *Credit may be obtained for only one of Anthropology 4071, Sociology 4071, or the former Sociology/Anthropology 4071.*

4072 Social and Cultural Aspects of Death covers topics which may include: symbolic meanings and values attached to death; cultural and historical variations in the management of death, e.g. treatment of the 'terminally ill', burial rites, the mourning process, and the social fate of survivors, together with the social and psychological meanings of these behaviours. Open to those without normal prerequisites by permission of the Instructor.

Note: *Credit may be obtained for only one of Anthropology 4072, the former Sociology/Anthropology 4072, or the former Sociology 4072.*

4073 Studies in Underclass Life is a critical inquiry into the social sources of human misery and suffering that characterize life in the underclass.

Note: *Credit may be obtained for only one of Anthropology 4073, the former Sociology/Anthropology 4073, or the former Sociology 4073.*

4089 Language and Social Change - inactive course.

Note: *Credit may be obtained for only one of Anthropology 4089, the former Sociology/Anthropology 4089, or the former Sociology 4089."*

Page 169, 2011-2012 Calendar, under the heading 9.30.1 Programs in Sociology, amend to read as follows:

"The following undergraduate programs are available in the Department:

1. Major in Sociology
2. Minor in Sociology
3. Honours in Sociology"

Page 169, 2011-2012 Calendar, delete the entry 9.30.2 Admission to Honours Program.

Page 169, 2011-2012 Calendar, renumber the heading 9.30.3 General Information and Prerequisites to 9.30.2 General Information and Prerequisites and amend paragraph to read as follows:

"Credit is not given for both Sociology 1000 and in Sociology, Sociology 3040, Sociology 3041, Sociology 3150 and 3 additional courses in Sociology."

Departments of Anthropology and Sociology (cont'd)

Page 169, 2011-2012 Calendar, renumber and amend section 9.30.4 Major to read as follows:

“9.30.3 Major in Sociology

Major

Students who undertake Sociology as their Major must complete at least 36 credit hours in Sociology, including Sociology 1000 (or the former 2000), Sociology 3040, Sociology 3041, Sociology 3150, Sociology 3160, and at least 6 credit hours in Sociology at the 4000 level. No more than an additional 6 credit hours in courses below the 3000-level may be counted toward the Major. The remaining courses, for the minimum of 36 credit hours required for the Major, may be selected from any Sociology and cross-listed course offerings at the 3000 and 4000 levels.”

Page 170, 2011-2012 Calendar, renumber and amend section 9.30.5 Minor to read as follows:

“9.30.4 Minor in Sociology

Minor

Students who undertake Sociology as their Minor must complete at least 24 credit hours in Sociology. A Minor in Sociology requires completion of Sociology 1000 or the former 2000, Sociology 3040, 3041, 3150, at least 3 credit hours from Sociology courses at the 4000 level and 9 credit hours in other Sociology courses.”

Page 170, 2011-2012 Calendar, renumber and amend section 9.30.6 Honours to read as follows:

“9.30.5 Honours in Sociology

Honours students are required to complete at least 60 credit hours in courses in Sociology including all courses prescribed for the Major in Sociology, and Sociology 4995 and must meet the requirements outlined in the **Regulations for the Honours Degree of Bachelor of Arts.**”

Page 170, 2011-2012 Calendar, following section 9.30.5 Honours in Sociology, insert the following new section as follows:

“9.30.6 Admission to Honours Program

Admission to the Honours program in the Department of Sociology is competitive and selective. Students who wish to enter this program must submit an “Application for Admission to Honours Program” form to the Department.

To be accepted into the Honours program, a student must not only meet the criteria laid out in the Regulations for the Honours Degree of Bachelor of Arts, but most normally have obtained a cumulative average of at least 75% in 18 credit hours in courses in Sociology which must include Sociology 3040, 3041, 3150 and 3160.”

Departments of Anthropology and Sociology (cont'd)

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete the following:

“S/A course descriptions may be found in this Calendar under the Sociology/Anthropology Interdepartmental Program. An S/A course carries the same Sociology credit as a Sociology course.

Sociology courses are designated by SOCI.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 2200.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 2210 to read as follows:

“**2210 Communication and Culture** is an examination of verbal and non-verbal systems of communication, and the influence of language on human cognition.

Note: Credit may be obtained for only one of Sociology 2210, the former Sociology/Anthropology 2210, or the former Anthropology 2210.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 2220.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 2230 to read as follows:

“**2230 Newfoundland Society and Culture** (same as Folklore 2230) the focus is on social and cultural aspects of contemporary island Newfoundland.

Note: Credit may be obtained for only one of Sociology 2230, the former Sociology/Anthropology 2230, the former Anthropology 2230, or Folklore 2230.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 2240 to read as follows:

“**2240 Canadian Society and Culture** is a descriptive and analytic approach to the development of Canadian society and culture.

Note: Credit may be obtained for only one of Sociology 2240, the former Sociology/Anthropology 2240, or the former Anthropology 2240.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 2260.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 2270 to read as follows:

“**2270 Families** is a comparative and historical perspective on the family as a social institution, the range of variation in its structure and the determinants of its development.

Note: Credit may be obtained for only one of Sociology 2270, the former Sociology/Anthropology 2270, or the former Anthropology 2270.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 2280, 2350, 2610.

Departments of Anthropology and Sociology (cont'd)

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend the course description for Sociology 3040 to read as follows:

“3040 Introduction to the Methods of Social Research provides elementary familiarization with the study of sociology. To this end various strategies for posing and answering sociologically grounded questions will be explored. We take you ‘behind the scenes’ of the research process to provide basic research skills and strengthen your capacity to critically read and evaluate the research-based writing of others.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3100 and 3110.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend the course description for Sociology 3130 to read as follows:

“3130 Sociology of Gambling provides a critical overview of the major social and cultural aspects of modern gambling in terms of leisure, work and economic development, social inequality, health and illness, deviance and crime, and policy. Special attention is directed at the promotion of modern gambling by the state (lotteries, casinos, video lottery terminals, slot machines, and horse racing).”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3140 to read as follows:

“3140 Social Movements is an examination of social movements which challenge prevailing social institutions and cultural values. Social movements considered may include religious cults and sects, millenarian movements, attempts at utopian and communal living, feminism, labour and revolutionary movements.

Note: Credit may be obtained for only one of Sociology 3140, the former Sociology/Anthropology 3140, or the former Anthropology 3140.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3200 to read as follows:

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

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3210.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3220 to read as follows:

“3220 Work and Society is an historical and comparative perspective on the cultural and social organization of work, its determinants and human implications.

Note: Credit may be obtained for only one of Sociology 3220, the former Sociology/Anthropology 3220, or the former Anthropology 3220.”

Departments of Anthropology and Sociology (cont'd)

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3230, 3240, 3241, 3242, 3249, and 3254-3257.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3260 to read as follows:

“3260 Social and Economic Development (same as Anthropology 3260) is an examination of theories of development including a critical analysis of empirical situations to which they are applied.

Note: Credit may be obtained for only one of Sociology 3260, Anthropology 3260 or the former Sociology/Anthropology 3260.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3314.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3317 to read as follows:

“3317 Oil and Society is an examination of the sociology of the western oil industry and of the social and cultural implications of oil activities for those regions in which they occur. Particular attention will be paid to North Atlantic societies: Scotland, Norway and Atlantic Canada.

Note: Credit may be obtained for only one of Sociology 3317, the former Sociology/Anthropology 3317, or the former Anthropology 3317.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3318 to read as follows:

“3318 Culture and Aging is an introduction to the study of aging from a social and cultural perspective: Distinctions between the biological and social elements of the aging process will be examined. The overview of social and cultural gerontology includes social, economic and political influences on later life, as well as the culture-based needs and aspirations of the aged.

Note: Credit may be obtained for only one of Sociology 3318, the former Sociology/Anthropology 3318, or the former Anthropology 3318.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3320 to read as follows:

“3320 Terrorism and Society is an examination of the recourse to violence as a recurring phenomenon in social and political movements. Consideration will be given to problems of classifying and explaining various forms of “terrorism”, and to discussing their consequences for society.

Note: Credit may be obtained for only one of Sociology 3320, the former Sociology/Anthropology 3320, or the former Anthropology 3320.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3330-3339.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3395 to read as follows:

Departments of Anthropology and Sociology (cont'd)

“**3395 Criminal Justice** provides an introduction to the sociological perspectives on our system of formal social control (police, courts, corrections). Special attention is directed at how social structure and social inequality (class, ethnicity and race, gender) influence criminal justice decisions. Topics discussed include public opinion on crime and criminal justice, offenders and victims in the system, consensus and conflict in the creation of criminal law, finding a delicate balance between police powers for crime control and democratic rights, types of sentencing options and rationales, and the dual and conflicting goals of prisons and alternatives to incarceration.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3600 and 3610.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3630 to read as follows:

“**3630 New Media Methods in Social Research** (same as Anthropology 3630) this course will explore non-print means for recording social behaviour and will utilize various forms of the media as a descriptive and an analytic tool.

Note: *Credit may be obtained for only one of Sociology 3630, Anthropology 3630 or the former Sociology/Anthropology 3630.*”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3700.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 3710 to read as follows:

“**3710 Post-Soviet Transformations** will explore problems of development in post-Soviet countries, examining them in a broader context of modernization. ‘Catch-up’ modernization gives rise to a set of problems related to institutional importation, e.g., a gap between formal and informal institutions. These problems exist in Russia as well as in a number of other less-developed countries.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 3720 and 4000.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4040 to read as follows:

“**4040 Advanced Methods of Social Research** is conceptualization and empirical research. Selection of appropriate indicators. Multidimensional classification. Multivariate analysis. Special aspects of multivariate analysis. Panel analysis. Group analysis. The structure of arguments. Clarification of concepts.

Prerequisite: SOCI 3040 and 3041.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 4070.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4071 to read as follows:

Departments of Anthropology and Sociology (cont'd)

“4071 Social and Cultural Aspects of Health and Illness (same as Anthropology 4071) topics covered in this course may include: cultural concepts of illness and health; theories of disease causation; relationships between social life and illness patterns; symbolic use of illness; variations in philosophies of treatment and in practitioner/patient relationships; the social organization of medicine.

Note: Credit may be obtained for only one of Sociology 4071, Anthropology 4071 or the former Sociology/Anthropology 4071.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 4072 and 4073.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4074 to read as follows:

“4074 Ritual and Ceremony is about ritual and ceremony, as both analytic and descriptive concepts, in both industrial states and subsistence-oriented societies. Topics examined could include: the universality of ritual and ceremony; essential differences between ritual and ceremony; their relative importance in non-industrialised and industrialised societies; the place of symbolism in ritual and ceremony; and the relationship between ritual, ceremony, religion and the sacred.

Note: Credit may be obtained for only one of Sociology 4074, the former Sociology/Anthropology 4074, or the former Anthropology 4074.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4077 to read as follows (the note is to be included when the course is made active):

“4077 Advanced Studies in Terror and Society - inactive course.

Note: Credit may be obtained for only one of Sociology 4077, the former Sociology/Anthropology 4077, or the former Anthropology 4077.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 4089.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4091 and 4092 to read as follows:

“4091 Oil and Development is an advanced seminar which will consider some selected topics dealing with the petroleum industry and its implications for economic development and social change. A comparative approach will be taken, using material from developed, underdeveloped and intermediate regions of the world.

Note: Credit may be obtained for only one of Sociology 4091, the former Sociology/Anthropology 4091, or the former Anthropology 4091.

4092 Gender and Social Theory is a seminar which will develop the material covered in 3420 at a more theoretical level. It will cover the history of social thought as it applies to issues of gender, and will discuss some theoretical debates in the area of gender and social theory.

Prerequisite: Sociology 3420 or permission of the instructor or former Sociology/Anthropology 3314.

Note: Credit may be obtained for only one of Sociology 4092, the former Sociology/Anthropology 4092, or the former Anthropology 4092.”

Departments of Anthropology and Sociology (cont'd)

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 4110, 4120, 4130, 4140-4149, 4150, 4160, and 4170.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, under Sociology 4201, delete “Prerequisite/Co-requisites: S/A 3314”.

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, amend Sociology 4212 and 4230 to read as follows:

“**4212 Sociology of Policing** is a seminar course that focuses on the role policing plays in society, the social, economic, and political factors that shape policing services, and the policies that may be implemented to strengthen policing in the future. The popular view of the police role, detective myths and effectiveness, community policing, police socialization, policing special types of problems, police misconduct, and the expansion of private policing are considered.

4230 Women and Development is a seminar course focusing on theoretical and empirical explanations of how development processes affect gender inequality and relations between men and women. The course provides students an understanding of how the theories, actors, and ongoing challenges of development interact with and work to shape socially constructed gender relations in a global perspective. Special attention is paid to how globalization influences gender in the development context.”

Page 170, 2011-2012 Calendar, under the heading 9.30.7 Course Descriptions, delete Sociology 4600 and Sociology 4996.

Pages 172-173, 2011-2012 Calendar, delete the section 9.31 Sociology/Anthropology Interdepartmental Studies up to and including 9.31.6 Course Descriptions.

4.3 Division of Lifelong Learning

Page 341, 2011-2012 Calendar, under the heading 3.1 Certificate in Business Administration, amend section to read as follows:

“The Certificate in Business Administration is widely recognized by business and industry. It is designed for management-entry level employees who are interested in career development. Courses completed on the certificate program can be applied toward the diploma and the degree of Bachelor of Business Administration.

Students who have a particular interest in Accounting, Marketing, Human Resources and Labour Relations, Small Business/Entrepreneurship or Information Systems should consult with the Division regarding choice of elective courses.”

Page 341, 2011-2012 Calendar, under the heading 3.1.1 Regulations for the Certificate in Business Administration, amend section to read as follows:

“To be eligible for the Certificate in Business Administration a student must have:

Division of Lifelong Learning (cont'd)

1. Completed the following 30 credit hours: Business 1000, 1101, 1210, 3310, 4000, either 4320 or 4330, and 12 credit hours in business electives.
2. At least two years of full-time work experience or equivalent.
3. At least two years during which the student has not been in full-time attendance at a secondary or post-secondary institution.
4. Business Course prerequisites for all Business courses shall apply to the certificate program. Students should note, for example, that the prerequisites for BUSI 1210 are English 1110 or 1021, BUSI 1000, Economics 2010, and Economics 2020. It should be noted that some courses are not offered every semester.”

Page 342, 2011-2012 Calendar, under the heading 3.4.1 Regulations for the Certificate in Library Studies, amend the section to read as follows:

“To be eligible for the certificate in Library Studies a student must complete the following:

1. Business 2000, or Business 2010; Library Studies 1601, 1602, 1603, 1606, 1609.
2. Four courses chosen from Library Studies 1604, 1605, 1610, 1611, 2606, 3600, 3601-3609.

Note: In some cases, students may substitute one elective course which has relevance to their area of specialty and the field of library studies. Students may submit their request in writing to the Program Developer, Division of Lifelong Learning for consideration by the Advisory Committee.”

4.4 Faculty of Engineering and Applied Science

Page 239, 2011-2012 Calendar, under the heading 5.4.2 Mechanical Engineering Major - Offshore Oil and Gas Engineering Option, amend the following sections of Table 8 Mechanical Engineering Major - Offshore Oil and Gas Engineering Option as follows:

Fall Academic Term 6	ENGI 6602 ENGI 6901 ENGI 6927 ENGI 6933 ENGI 6951 ENGI 6961	
Spring Academic Term 7	ENGI 4421 ENGI 7102 ENGI 7926 ENGI 8693	Complementary Studies Elective 3 credit hours from: ENGI 8671, 8692

Faculty of Engineering and Applied Science (cont'd)

Winter Academic Term 8	ENGI 8926 ENGI 8690 ENGI 8694	Complementary Studies Elective 3 credit hours from: ENGI 8903, 8911, 8935, 8945, 8964, other courses as specified by the Discipline Chair 3 credit hours from: ENGI 8670, 8676
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4.5 Department of Biology

Page 465, 2011-2012 Calendar, under the heading 9.2 Biology, add the following new Biology course:

“4050 Advanced Topics in Microbiology examines the beneficial and harmful properties of microbes including topics on industrial microbiology and the discovery of new antimicrobial agents. The scope within the course ranges from the genetic manipulation of microbes for useful purposes to the isolation of bacteria for applications in various fields. Current issues concerning microbiology and society will also be discussed including the practical applications of microbes and bacterial diseases affecting society. The course will have three hours of lecture and three hours of laboratory/seminar/discussion per week.
Prerequisites: Biology 3050”

Page 443, 2011-2012 Calendar, under the heading 8.2.5 Honours in Biology, amend the section to read as follows:

“8.2.5 Honours in Biology

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

Students seeking an honours degree in Biology are required to successfully complete a minimum of 69 credit hours in courses from the Biology Department offering. Those 69 credit hours must include Biology 1001 and 1002 or their equivalents; 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404; 42 credit hours from biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, and 3053) and Biology 499A and B.

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

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

1. English 1080 and 1110 (or equivalent)
2. Physics 1020/1021 (or equivalent)
3. Mathematics 1000

Department of Biology (cont'd)

4. Chemistry 1010/1011 (or equivalent), 2440
5. Statistics 2550
6. Biochemistry 2101 and 3106
7. Electives to make up 120 credit hours

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

8.2.5.1 Honours in Cell and Molecular Biology

Students seeking an honours degree in Cell and Molecular Biology are required to complete a minimum of 69 credit hours in courses from the Biology Department offering. Those 69 credit hours must include Biology 1001 and 1002 or their equivalents; 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404; Biology 3530 and 4241; 12 credit hours from the recommended biology courses for Cell and Molecular Biology (listed below); 24 credit hours in biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, and 3053) and Biology 499A and B.

Recommended biology courses for Cell and Molecular Biology are 3050, 3401, 3402, 3500, 3620, 3950, 4010, 4040, 4200, 4245, 4250, 4251, 4255, 4404, 4550, 4605.

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

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

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

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

8.2.5.2 Honours in Ecology and Conservation Biology

Students seeking an honours degree in Ecology and Conservation Biology are required to complete a minimum of 69 credit hours in courses from the Biology Department offering. Those 69 credit hours must include Biology 1001 and 1002 or their equivalents; 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404; Biology 4650 and 4651; 12 credit hours from the recommended biology courses for Ecology and Conservation Biology (listed below); 24 credit hours in biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, and 3053) and Biology 499A and B.

Department of Biology (cont'd)

Recommend biology courses for Ecology and Conservation Biology are 3041, 3050, 3295, 3300, 3610, 3620, 3709, 3710, 3711, 3714, 3715, 4040, 4141, 4180, 4182, 4306, 4360, 4405, 4505, 4605, 4620, 4630, 4701, 4710, 4750, 4820.

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

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

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

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

8.2.5.3 Honours in Marine Biology

Students seeking an honours degree in Marine Biology are required to successfully complete a minimum of 69 credit hours in courses from the Biology Department offering. Those 69 credit hours must include Biology 1001 and 1002 or their equivalents; 15 credit hours in the following core courses: Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 or 4404; Biology 3710 and 3711; 12 credit hours from the recommended biology courses for Marine Biology (listed below); 24 credit hours from biology electives at the 2000, 3000 or 4000 level (except Biology 2040, 2041, 2120, and 3053) and Biology 499A and B.

Recommended biology courses for Marine Biology are 3050, 3620, 3640, 3709, 3712, 3714, 3715, 4014, 4122, 4141, 4182, 4601, 4605, 4620, 4630, 4710, 4750, 4810, 4912.

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

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

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

Department of Biology (cont'd)

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

4.6 Department of Earth Sciences

Page 475, 2011-2012 Calendar, under the heading 9.5.4 Fourth Year, add the following new Earth Sciences course as follows:

"4605 Environmental Geoscience Field School is a field-based course normally offered during a special session immediately before the fall semester followed by laboratory analytical work during the fall semester. The aim of this course is to investigate anthropogenic impacts on the environment using geochemical, hydrological, and microbial methods. Emphasis is placed on site investigation, sample collection and preparation techniques, instrumental analysis, and data analyses.

AR: attendance required

OR: field-based course

PR: EASC 2502, 3600, MATH 1001, and one of STAT 2510, STAT 2550, MATH 2000"

4.7 Departments of Biology and Computer Science

Page 465, 2011-2012 Calendar, under the heading 9.2 Biology, insert the following Biology course as follows:

"3951 Introduction to Bioinformatics (same as Computer Science 3550) deals with the development and application of computational methods to address biological problems. The course will focus on the fundamental concepts, ideas and related biological applications of existing bioinformatics tools. This course will provide hands-on experience in applying bioinformatics software tools and online databases to analyze experimental biological data, and it will also introduce scripting language tools typically used to automate some biological data analysis tasks.

CR: Computer Science 3550

PR: (BIOL 2060 or BIOC 2101, and one Computer Science course at the 1000-level or above excluding COMP 1600 and COMP 2000); or (COMP 2500 or COMP 2710, and one Biology course at the 1000-level or above excluding BIOL 2040 and BIOL 2041); or permission of the course instructor.

CH: 3

LC: 3

LH: 3"

Page 471, 2011-2012 Calendar, under the heading 9.4.3 Third Year Courses, add the following new Computer Science course as follows:

"3550 Introduction to Bioinformatics (same as Biology 3951) deals with the development and application of computational methods to address biological problems. The course will focus on the fundamental concepts, ideas and related biological applications of existing bioinformatics tools. This course will provide hands-on experience in applying bioinformatics software tools and online databases to analyze experimental biological data, and it will also introduce scripting language tools typically used to automate some

Departments of Biology and Computer Science (cont'd)

biological data analysis tasks.

CR: Biology 3951

PR: (BIOL 2060 or BIOC 2101, and one Computer Science course at the 1000-level or above excluding COMP 1600 and COMP 2000); or (COMP 2500 or COMP 2710, and one Biology course at the 1000-level or above excluding BIOL 2040 and BIOL 2041); or permission of the course instructor.

CH: 3

LC: 3

LH: 3”

4.8 Department of Classics

Page 106, 2011-2012 Calendar, under the heading 9.6.2.1 Major in Classics, amend section to read as follows:

“Candidates for a Major in Classics are advised to choose their program in consultation with the Department.

The Major program consists of a minimum of 39 credit hours in Classics courses in accordance with the following:

1. Either Classics 1120 and 1121 or Classics 1130 and 1131
2. At least 3 credit hours at the 4000 level
3. An additional 12 credit hours at the 3000 level or above
4. An additional 18 credit hours at any level. With the exception of first-year language courses, no more than six 1000 level credit hours may be counted towards the major.”

Page 106, 2011-2012 Calendar, under the heading 9.6.2.2 Minor in Classics, amend section to read as follows:

“The Minor program consists of a minimum of 24 credit hours in Classics courses in accordance with the following:

1. At least 3 credit hours at the 3000 level or above
2. With the exception of first-year language courses, no more than six 1000 level credit hours may be counted towards the minor.”

4.9 Department of English

Page 117, 2011-2012 Calendar, under the heading 9.11.1 General Degree, (i) delete clause 2.b. which reads “b. English 2390;”; (ii) reletter current clauses 2.c-g as “2.b-f”; (iii) amend the new clause 2.f. to read “f. Nine credit hours in additional English courses.”; and amend Note 1 under clause 2 to read “1. *At least 9 credit hours must be at the 3000-level.*”

Page 117, 2011-2012 Calendar, under the heading 9.11.1 General Degree, in clause 3, amend the second paragraph to read as follows:

“In this specialization, students must complete 36 credit hours in courses as follows:”.

Department of English (cont'd)

Page 117, 2011-2012 Calendar, under the heading 9.11.1 General Degree, amend clause 3.b. to read as follows:

“b. English 2000, 2002, 3350, 3351, 4400, 4401;”

Page 117, 2011-2012 Calendar, under the heading 9.11.1 General Degree, (i) delete clause 5.b. which reads “b. English 2390;” (ii) reletter current clauses 5.c-e as “5.b-d”; (iii) amend the new clause 5.d. to read “d. Nine credit hours in additional English courses.”; and (iv) amend the note under clause 5 to read “Note: *At least 9 credit hours must be at the 3000-level.*”

Page 117, 2011-2012 Calendar, under the heading 9.11.1 General Degree, delete clause 8 and reletter the current clause 9 as clause “8”.

Page 118, 2011- 2012 Calendar, under the heading 9.11.2 Honours Degree with English as Major Subject, (i) delete clause 2.b. which reads “b. English 2390;”; (ii) reletter current clauses 2.c-m as “2.b-l”; (iii) amend new clause 2.k. to read “Twelve credit hours in additional English courses, three of which must be at the 3000-level and six of which must be at the 4000-level;” and (iv) delete clause 4.

Page 118, 2011-2012 Calendar, under the heading 9.11.3 Joint Honours Degree in English and Another Major Subject, (i) delete clause 3.b. which reads “b. English 2390;”; (ii) reletter current clauses 3.c-j as “3.b-i”; and (iii) amend new clause 3.i. to read “Nine credit hours in additional English courses, three of which must be at the 3000-level and six of which must be at the 4000-level.”

Page 118, 2011-2012 Calendar, under the heading 9.11.4 Course Descriptions, amend the course title and description for English 4900 to read as follows:

“4900 Book History and Print Culture I is an introduction to bibliographical and textual studies for the advanced study of English. Areas covered may include the book as a material object; the history of the book; manuscripts; the spread of printing; the hand-press period; editing of texts; the evolution of the library; origins of intellectual property; freedom of the press; aspects of literary detection, forgery and plagiarism.
Prerequisites/Co-requisites: Six CH at the 3000-level”

Page 118, 2011-2012 Calendar, under the heading 9.11.4 Course Descriptions, amend the course title for English 4901 to read as follows:

“4901 Book History and Print Culture II - inactive course.”

4.10 Faculty of Engineering and Applied Science

Page 228, 2011-2012 Calendar, under the heading 3 Description of Program, amend the third paragraph to read as follows:

“The specialized major programs of ... in academic terms 3 through 8. Students in the Mechanical Engineering major, may also choose to pursue ... to the appropriate **Program Regulations.**”

Faculty of Engineering and Applied Science (cont'd)

Page 228, 2011-2012 Calendar, under the heading 3.1 Program of Study, amend clause 6 to read as follows:

“6. Upon entering Academic Term 6, students in the Mechanical Engineering major may choose to pursue the Offshore Oil and Gas Engineering option (OUGE).”

Page 229, 2011-2012 Calendar, under the heading 3.3.1 Civil Engineering, amend second paragraph to read as follows:

“The Civil Engineering major provides a broad introduction to the scientific principles and engineering techniques necessary for an understanding of the fundamental problems tackled by civil engineers.”

Page 229, 2011-2012 Calendar, under the heading 3.3.2 Computer Engineering, amend second paragraph to read as follows:

“Computer Engineering shares many fundamentals with Electrical Engineering, which are covered in a common curriculum up to and including Academic Term 3. In recognition of the considerable diversity of careers available to computer engineers, students are given latitude in the final three academic terms to choose from a wide range of electives in various specialty areas.”

Page 229, 2011-2012 Calendar, under the heading 3.3.3 Electrical Engineering, amend the second paragraph to read as follows:

“Electrical Engineering shares many fundamentals with Computer Engineering, which are covered in a common curriculum up to and including Academic Term 3. In recognition of the considerable diversity of careers available to electrical engineers, students are given latitude in the final three academic terms to choose from a wide range of electives in various specialty areas. Making use of their elective course choices, students in the Electrical Engineering major also have the opportunity to undertake a minor in Physics.”

Page 229, 2011-2012 Calendar, under the heading 3.3.5 Ocean and Naval Architectural Engineering, in the second paragraph, delete the last sentence “In Academic Term 6, students may select the Offshore Oil and Gas option (OUGE).”

Page 232, 2011-2012 Calendar, under the heading 5.1.1 Civil Engineering Major - General Option, amend the title and section to read as follows:

“5.1.1 Civil Engineering Major

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Civil Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in Table 1 Civil Engineering Major.
- Work terms shall normally be taken in the order as set out in Table 1 Civil Engineering Major.”

Faculty of Engineering and Applied Science (cont'd)

Page 232, 2011-2012 Calendar, under the heading 5.1.1 Civil Engineering Major, amend the title of Table 1 to read as follows: “**Table 1 Civil Engineering Major**”.

Page 232, 2011-2012 Calendar, under the heading 5.1.1 Civil Engineering Major, in Table 1 Civil Engineering Major, for Spring Academic Term 7, under “Elective Courses”, amend the section to read as follows:

“3 credit hours from: ENGI 7706, 7707, 7716, 7723, 8671, 8691, 8692 or other courses as specified by the Discipline Chair”

Page 232, 2011-2012 Calendar, under the heading 5.1.1 Civil Engineering Major, in Table 1 Civil Engineering Major, for Winter Academic Term 8, under “Elective Courses”, amend the section to read as follows:

“Complementary Studies Elective
6 credit hours from: ENGI 8670, 8676, 8690, 8705, 8708, 8713, 8717 or other courses as specified by the Discipline Chair”

Page 233, 2011-2012 Calendar, delete the entire subsection 5.1.2 Civil Engineering - Offshore Oil and Gas Engineering Option”.

Page 234, 2011-2012 Calendar, under the heading 5.2.1 Computer Engineering Major - General Option, amend the title and section to read as follows:

“5.2.1 Computer Engineering Major

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Computer Engineering Major, requires eight academic terms and four work terms.
- The 141 credit hours shall normally be taken in the academic terms and order as set out in Table 3 Computer Engineering Major.
- Work terms shall normally be taken in the order as set out in Table 3 Computer Engineering Major.”

Page 234, 2011-2012 Calendar, under the heading 5.2.1 Computer Engineering Major, amend the title of Table 3 Computer Engineering Major - General Option, to read as follows:

“Table 3 Computer Engineering Major”

Page 235, 2011-2012 Calendar, delete the entire subsection 5.2.2 Computer Engineering - Offshore Oil and Gas Engineering Option.

Page 236, 2011-2012 Calendar, under the heading 5.3.1 Electrical Engineering - General Option, amend the title and section to read as follows:

“5.3.1 Electrical Engineering

- The full-time 141 credit hour Bachelor of Engineering (Co-operative), Electrical Engineering Major, requires eight academic terms and four work terms.

Faculty of Engineering and Applied Science (cont'd)

- The 141 credit hours shall normally be taken in the academic terms and order as set out in Table 5 Electrical Engineering Major.
- Work terms shall normally be taken in the order as set out in Table 5 Electrical Engineering Major.”

Page 236, 2011-2012 Calendar, under the heading 5.3.1 Electrical Engineering, amend the title of Table 5 Electrical Engineering Major - General Option to read as follows:

“Table 5 Electrical Engineering Major”

Page 237, 2011-2012 Calendar, delete the entire subsection 5.3.2 Electrical Engineering - Offshore Oil and Gas Engineering Option.

Page 229, 2011-2012 Calendar, under the heading 3.3.5 Ocean and Naval Architectural Engineering, add the following new paragraph:

“A student’s selection of courses for the focus stream requires the prior approval of the discipline chair of Ocean and Naval Architectural Engineering. In order to graduate, the student must obtain an overall average of at least 60% in the 12 credit hours in focus stream courses required in the program.”

Page 242, 2011-2012 Calendar, under the heading 6.3 Promotion Status (Beyond Engineering One), amend the third sentence of the first paragraph to read as follows:

“The Promotion Average, which will appear on the transcript, is calculated to be the overall average of courses completed in the semester excluding complementary studies, focus stream electives and free elective courses.”

Page 240, 2011-2012 Calendar, under the heading 5.5.1 Ocean and Naval Architectural Engineering Major, amend Table 9 Ocean and Naval Architectural Engineering Major to read as follows:

“Table 9 Ocean and Naval Architectural Engineering Major

Term	Required Courses	Elective Courses
Engineering One	Chemistry 1050 English 1080 ENGI 1010 ENGI 1020 ENGI 1030 ENGI 1040 Mathematics 1000 Mathematics 1001 Mathematics 2050 Physics 1050 Physics 1051	Students who are expecting to complete the Engineering One requirements during the first two semesters may apply to undertake a work term during the Spring semester. In this case, the prerequisite course ENGI 200W must be completed during the Winter Semester.

Fall Academic Term 3	ENGI 3001 ENGI 3054 ENGI 3101 ENGI 3901 ENGI 3934 Mathematics 2000	ENGI 200W (if not completed during Engineering One).
Winter	001W or 002W	
Spring Academic Term 4	ENGI 4011 ENGI 4020 ENGI 4102 ENGI 4312 Mathematics 3260	Focus Stream Elective*
Fall	001W or 002W or 003W	
Winter Academic Term 5	ENGI 5003 ENGI 5020 ENGI 5022 Mathematics 3202	Complementary Studies Elective Focus Stream Elective*
Spring	002W or 003W or 004W	
Fall Academic Term 6	ENGI 6003 ENGI 6005 ENGI 6055 ENGI 6933	Complementary Studies Elective Focus Stream Elective*
Winter	003W or 004W or 005W (optional)	
Spring Academic Term 7	ENGI 7000 ENGI 7007 ENGI 7035 ENGI 7033 ENGI 7102	ENGI 7045, 7706, 7707, 7934, 8691, 8692, other courses as specified by the Discipline Chair
Fall	004W or 005W (optional) or 006W (optional)	
Winter Academic Term 8	ENGI 8000 Physics 4300	Complementary Studies Elective 2 of ENGI 8003, 8033, 8054, 8058, 8674, other courses as specified by the Discipline Chair Focus Stream Elective*

*Focus Stream Electives

The courses in the Focus Stream allow a student to pursue a specialization in an area of interest. The area can be in engineering, the sciences, the arts and humanities or business. Students will plan their own focus stream, with approval by the Committee on Undergraduate Studies upon the recommendation of the Discipline Chair of Ocean and Naval Architectural Engineering.

In reviewing the plan for the stream, the Faculty will be looking for clear educational goals by each student, with increasingly advanced courses in the topic area. The stream is not meant to be a series of random free electives, and especially not a series of introductory courses. The stream will enable

Faculty of Engineering and Applied Science (cont'd)

students to complete a significant part of a minor in almost any subject. Students are encouraged to take the required additional courses to complete such a minor. Interdisciplinary experience and education is increasingly valuable and this focus stream opportunity will provide our graduates with unique and special knowledge.”

Page 247, 2011-2012 Calendar, under the heading 9.5 Academic Term 5 Courses, add the following new Engineering course as follows:

“**5022 Stochastic Processes in Ocean Engineering** includes basic concepts in probability, random variables, multiple random variables, descriptive statistics. The random processes component reviews mathematics of functions; introduces system input-output relations of continuous-time systems; contrasts time vs frequency domain representations; introduces frequency response plots and the Fourier transform; includes selected applications for ocean engineering.
PR: MATH 3260, ENGI 4020
OR: tutorial one hour per week”

Page 248, 2011-2012 Calendar, under the heading 9.6 Academic Term 6 Courses, add the following new Engineering course as follows:

“**6055 Marine Cybernetics** examines propulsion and motion control of ships, submersibles and offshore structures. Building upon the student’s knowledge of mathematics, mechanics and hydrodynamics provides an introduction to control systems and mathematical modeling of marine systems. Course components include: basic control actions and response of control systems; simulation and design of control systems; dynamic positioning; power management; marine automation.
LH: at least four 2-hour sessions per semester
PR: ENGI 4011”

Page 249, 2011-2012 Calendar, under the heading 9.7 Academic Term 7 Courses, add the following new Engineering course as follows:

“**7007 Marine Materials** examines the properties and uses of steel and aluminum in marine applications. Topics include: overview of shipbuilding process; review of mechanics of materials, Hooke’s Law, material failure models; carbon steel properties, grades, classification, testing; welding of steel - fundamentals, processes, preparation, design, drawings, certification; joining of aluminum - riveting, welding.
LH: at least 4 three-hour sessions per semester
PR: CHEM 1050, ENGI 4312”

4.11 Department of Chemistry

Page 469, 2011-2012 Calendar, under the heading 9.3 Chemistry, add the following new Chemistry course:

“**4206 Green Chemistry** examines the benefits and limitations of new methods aimed at reducing the environmental impact of chemical processes including waste prevention, hazard/risk reduction, catalysts, renewable feedstocks and alternative solvents.
PR: CHEM 2401 and CHEM 3211”

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

5.1 Faculty of Medicine

Page 594, 2011-2012 Calendar, under the heading 23.1.3.4 Clinical Epidemiology, amend clause 2.a. to read as follows:

“Students are required to take: MED 6262 or MED 6200, MED 6250, MED 6255 and MED 6260, plus one or more additional course(s) as recommended by the supervisory committee. In addition students are required to take the Seminar Series (MED 6400-6403).”

Page 595, 2011-2012 Calendar, under the heading 23.2.2 Program Requirements, amend the section to read as follows:

“A graduate diploma in Community Health and Humanities requires successful completion of MED 6220, MED 6270, 3 electives, and 2 semester-length seminar courses (MED 6400-6401).

A graduate diploma in Clinical Epidemiology requires successful completion of MED 6262 or MED 6200, 6250 and 6255 and the completion of a minimum of two of the Clinical Epidemiology seminar courses: Medicine 6400-6403 Research Seminars for M.Sc. Student I-IV.”

Page 595, 2011-2012 Calendar, under the heading 23.2.3 Graduate Courses, amend Medicine 6200 to read as follows:

“**6200 Biostatistics I** (credit may be obtained for only one of MED 6200 or MED 6262)”

Page 595, 2011-2012 Calendar, under the heading 23.2.3 Graduate Courses, add the following new Medicine course:

“**6262 Biostatistics in Clinical Medicine** (credit may be obtained for only one of MED 6200 or MED 6262)”

Page 594, 2011-2012 Calendar, under the heading 23.1.3.5 Community Health, amend clause 2 to read as follows:

“2. Program Requirements

Students are required to take three core courses: MED 6220, MED 6270 and MED 6280; 2 core stream courses: either the quantitative stream, consisting of MED 6200 and MED 6275 or the qualitative stream, consisting of MED 6294 and MED 6102; and 1 elective; and to attend, for credit, and participate in four semester-length seminar courses (MED 6400-6403).”

Page 595, 2011-2012 Calendar, under the heading 23.2.3 Graduate Courses, delete Medicine 6201, 6202, 6203, 6221, 6222, 6223, 6251, 6252, 6253, 6271, 6272, and 6273.

Page 629, 2011-2012 Calendar, under the heading 28.25.2.1 Program Areas, amend clause 3.b. to read as follows:

“b. Program Requirements: Students are required to successfully complete all of the following courses if they have not been previously completed: MED

Faculty of Medicine (cont'd)

6095, MED 6262 or MED 6200, MED 6250, MED 6255 and MED 6260. Students are required to take the Ph.D. Seminar Series (MED 6410-6413).”

REGULAR AGENDA

6. REPORT OF THE SENATE COMMITTEE ON UNDERGRADUATE STUDIES

6.1 General Academic Regulation 5.6 Evaluation

It was moved by Mr. Riggs, seconded by Mr. Collins, to approve the calendar changes to General Academic Regulation 5.6 Evaluation.

Several Senators commented that the proposed changes are confusing and unnecessarily strict in respect to the deadline of one week to apply for an alternate evaluation. It was then moved by Dr. Wilson, seconded by Mr. Despres to amend the last sentence of clause 4 to read “Normally, this application must be made within one week of the original date of the examination or deadline to the course instructor.” When put the vote, the amendment passed. The amended motion was then put to a vote and was carried by a majority vote. Dr. Wilson suggested that the revised regulation be promulgated widely.

Page 69, 2011-2012 Calendar, under the heading 5.6.2 Informing Students of the Method of Evaluation, add the following as a fourth bullet under the clause 3:

- “• whether deferred tests or mid-term examinations or extensions of deadlines for out-of-class work are permitted”

Page 69, 2011-2012 Calendar, under the heading 5.6.2 Informing Students of the Method of Evaluation, add the following new clause 4 and renumber current clauses 4 and 5 as 5 and 6:

“4. A student who is prevented from writing a test or mid-term examination or completing assigned work by the deadline, by illness or bereavement or other acceptable cause, duly authenticated in writing, may apply, in writing and with supporting documents, for an alternate evaluation. Normally, this application must be made within one week of the original date of the examination or deadline to the course instructor.”

6.2 Faculty of Business Administration

It was moved by Mr. Riggs, seconded by Dr. Foster, and carried that on page 66, 2011-2012 Calendar, under the heading 5.2.2 Year of Degree and Departmental Regulations - All Other Faculties and Schools, to amend the section to read as follows:

“1. A student registered in any program, other than programs in the Faculty of Arts, programs in the Faculty of Science or in the Bachelor of Business Administration program offered by the Faculty of Business Administration, will normally follow regulations in effect in the academic year in which the student first completes a course(s) in the faculty or school following formal admission to that program. However, the student may elect to follow subsequent regulations introduced during the student’s tenure in a program.

Faculty of Business Administration (cont'd)

2. A student completing a Bachelor of Business Administration will normally follow the degree regulations in effect in the academic year in which the student first earns a total of 12 credit hours in Business courses at the 1000-level. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program.

3. A student in the Bachelor of Commerce (co-operative) program, the International Bachelor of Business Administration program, or in the Faculty of Education, Faculty of Engineering and Applied Science, School of Nursing, Faculty of Medicine, School of Pharmacy, or School of Social Work, who fails to obtain promotion or is not registered for full-time studies for more than one semester and is readmitted to full-time studies in the faculty or school will normally follow regulations in effect at the time of readmission.

4. A student in the School of Music who is required to withdraw from the Bachelor of Music degree program for academic reasons, or who has withdrawn from the principal applied study course will normally follow regulations in effect at the time the student is readmitted to the School. However, the student may elect to follow subsequent regulations introduced during the student's tenure in a program."

7. Report of the Committee on Academic Appeals

ECS 2010-11: #12 - Appeal against the Senate Committee on Undergraduate Studies and the Committee on Undergraduate Studies, Faculty of Business Administration, to deny the student permission to extend the deadline for completion of their deferred examination in Business 6130, a course for which the student was registered in the Fall Semester 2010.

Dr. Kachanoski noted that several members of Senate have had previous involvement in this student appeal by virtue of membership on the Executive Committee of Senate, on the Senate Committee on Undergraduate Studies, or as members of academic units. In this regard, he observed that one of the principles of natural justice and fairness is that there should be no individual sitting in judgement on an appeal at a higher level who has already been a party to the decision at a lower level. In the interests of fairness and natural justice he suggested that those Senators who have had previous dealings with this case be available to provide information pertinent to the case and to answer questions raised by Senators but should not be making motions or voting on motions regarding this appeal.

At the invitation of the Chair, Dr. Dale Foster, Chair of the Senate Committee on Academic Appeals, presented the report of the Committee to Senate regarding this student's appeal and advised that the Committee's recommendation is as follows:

Recommendation

Based on the documentation provided and the reasons outlined, the Appeals Panel of the Senate Committee on Academic Appeals unanimously recommends to Senate that the decision at earlier levels be upheld and that the appeal by the student against the decision to deny permission to extend the deadline for completion of a deferred examination be denied. The committee considered alternative solutions but agreed that this was most

Report of the Committee on Academic Appeals (cont'd)

appropriate. The committee notes that the student can appeal for a retroactive withdrawal from the course.

A lengthy discussion then ensued regarding whether it is feasible to expect the health care system to respond to students with detailed notes in a one week period and whether or not University Regulation **5.14.4 Information Required in Certificates from Health Professionals**, contravenes privacy law and the Charter of Rights.

Following discussion, it was moved by Dr. Foster, seconded by Dr. McFetridge-Durdle, and carried to deny this student's appeal based on the report and recommendation from the Senate Committee on Academic Appeals. It was then moved by Mr. Despres, seconded by Dr. Anderson, and carried that the student be made aware of another possible remedy which may be available and that is to request a retroactive drop in the course Business 6130. Senators who had previous involvement in this appeal abstained from voting.

8. Ad hoc Committee on Reducing the Paper Dependency of Senate - Final Report to Senate

Dr. Zerbe presented the final report to Senate of the ad hoc Committee on Reducing the Paper Dependency of Senate as outlined below.

"The mandate of the Ad hoc Committee on Lessening Paper-Dependency of Senate is to investigate and recommend ways that Senate and Senate committees can become less paper-dependent, while ensuring that all members of Senate and its committees, as appropriate, have access to all meeting materials. Included in this mandate is to provide a mechanism for electronic submission of suggestions by the University community.

As part of its information gathering activities, the Committee identified the following:

- *The committee determined that from February 2010 to January 2011 Senate met 8 times attended by an average of 54 senators. Over the course of these meetings Senate distributed a total of 140,104 individual sheets of paper, or more than 280 reams of paper.*
- *A survey of Senators was conducted; 47 of the 76 members of Senate responded representing 11 administrators, 10 students, 24 faculty, and 2 others. Results included the following:*
 - *43 out of 47 (91%) respondents currently own a laptop or portable device, the 4 who do not were faculty representatives*
 - *38 of 43 (88%) laptop owners indicated that they would be willing to bring their device to meetings, 4 were faculty representatives and 1 was a student representative. One commented that the laptop was a personal laptop, another that viewing long .pdf files on a laptop was difficult.*
 - *39 of 42 (93%) respondents indicated that they would opt out of the paper Consent Agenda if an electronic version were available, the 3 who would not were faculty representatives*

Ad hoc Committee on Reducing the Paper Dependency of Senate - Final Report to Senate (cont'd)

- 34 of 41 (83%) respondents indicated that they would opt out of the Regular Agenda if an electronic version were available, the 7 who would not were 5 faculty, 1 student, 1 administrative representative
 - 14 of 41 (34%) respondents indicated that there were elements of the work of Senate that they would only like to see on paper. The two elements mentioned most often were confidential documents and appeals.
 - Respondents indicated an overwhelming preference for PDF as a document format, 78% preferred it, 17% liked it, 0% found it not acceptable
 - A number of open ended comments were provided with respect to information needs, the advantages and disadvantages of electronic formats, and suggestions for the committee. These will be considered and will form part of the final report and recommendations of the ad hoc Committee.
- A survey of other Canadian universities has identified alternative technologies for reducing paper use.
 - A number of suggestions have been identified for reducing unnecessary supporting documentation to Senate
 - An email address paperless.senate@mun.ca was established to gather further suggestions

Based on the input it received and the broad support for reducing paper use the committee immediately recommended to the Senate Committee for Undergraduate Studies that it enforce its own requirements for submissions to Senate so that they conform more closely to existing and currently approved information requirements and thus limit the inclusion of optional supporting documentation which is otherwise passed on to members of Senate. This action can be taken immediately, does not require approval, and will have a substantial positive impact.

Second, the Ad hoc Committee makes the following recommendations to Senate:

Recommendation One: *That the University commit the resources necessary to procure a full meeting management solution to be used to manage meetings at Memorial and reduce paper dependency.*

While the Ad hoc Committee recognizes that this is beyond its mandate, it was agreed that this was an opportunity (that should not be lost) to look beyond the scope of document distribution and seek a full meeting management solution that could be used to assist all meetings at Memorial rather than just Senate and its committees. Seeking such a solution will require that the University assign responsibility and dedicate resources to write and issue an RFP and assess proposals received. The target for issuing an RFP would be early summer, 2012 (see Recommendation Three). Members of the Ad hoc Committee are willing to serve as the Steering Committee for such an effort.

Ad hoc Committee on Reducing the Paper Dependency of Senate - Final Report to Senate (cont'd)

Recommendation Two: *That Senate adopt D2L as soon as possible as an interim solution to reduce the paper-dependency of Senate and committees.*

D2L is used successfully by the Faculty of Science Council and was used successfully in the development of the Teaching/Learning Framework (a Working Group and 11 committees). D2L uses the MUN login to authenticate users and allows granular permissions. Documents can be in PDF or HTML format (searching is possible with HTML documents only). D2L does not allow the annotation of documents. DELTS has the capacity to provide training to the small group in the Office of the Registrar responsible for creating the Senate agenda and submitting agenda items to Senate regularly. DELTS also provides after hours assistance that can be used by senators should they encounter problems. No new University resources would be required;

The adoption of any non-paper solution will require the capability in E5004/5005 to display documents, and will require excellent wireless capability and sufficient power outlets.

Recommendation Three: *That a meeting of Senate in the Winter semester 2012 be used to present possible solutions for meeting management to inform senators of the features generally available.*

At this point, senators would also have sufficient exposure to D2L to provide input to the Recommendation One Steering Committee regarding likes/dislikes/unmet needs. An RFP could be ready in early summer, 2012."

It was moved by Dr. Zerbe, seconded by Mr. Riggs, and carried that Recommendation One be adopted and forwarded to the President for appropriate consideration.

It was moved by Dr. Zerbe, seconded by Mr. Riggs, and carried that Recommendation Two be adopted.

It was moved by Dr. Zerbe, seconded by Mr. Despres, and carried that Recommendation Three be approved.

9. Memorial University Research Strategy

Dr. Ray Gosine, Associate Vice-President (Research), presented the Research Strategy Planning Process on behalf of Dr. Christopher Loomis, Vice-President (Research).

Dr. Gosine noted that Dr. Christopher W. Loomis, President and Vice-Chancellor *pro tempore*, launched the development of a Research Strategy for the university as a direct response to the Strategic Plan for Memorial, released in 2007. Memorial's Strategic Plan included "Research, Creative Activity and Scholarship" as one of five key pillars to advance the university's mission. The process to develop the Research Strategy was iterative and included extensive internal and external consultation and analysis of data and trends.

Dr. Gosine also noted that the Senate Committee on Research (SCOR) played an integral role in the development of the Research Strategy by

Memorial University Research Strategy (cont'd)

providing input to the planning process and the Research Strategy formulation at regular intervals. SCOR also reviewed and approved the draft Research Strategy before it was forwarded to Senate for its consideration.

Dr. Gosine observed that once the Research Strategy receives the approval of Senate, the Vice-President (Research) will work with Marketing and Communications to translate the Research Strategy into print and electronic forms consistent with Memorial's brand and image for public distribution of the Strategy. The Research Strategy will also be presented to the Board of Regents.

Dr. Kachanoski remarked that the Research Strategy, along with the Teaching and Learning Framework and an Engagement Framework, will serve as the basis for a new Memorial Strategic Plan which will include action plans to be developed by each academic and administrative unit in order to realize strategic goals and objectives.

It was moved by Dr. J.J. Connor, seconded by Dr. Rourke, and carried unanimously to endorse this document with minor amendments as suggested by Senators.

10. Committee on Elections and Committees

10.1 GSU Representation on Senate Committees 2011-12

The following nominations were received from the Committee on Elections and Committees recommending approval. It was moved by Mr. Collins, seconded by Dr. Wilson and carried that the following nominations be approved:

Advisory Committee on the University Timetable

Sarah Knee

Committee on the University Calendar

Sebastien Despres

Committee on Research

Jay Shah

University Planning and Budget Committee

Saravana Kumar

Committee on Honourary Degrees and Ceremonial

Amy-Lee Kouwenberg

Committee on Course Evaluations

Marc MacKinnon

Committee on Educational Technology

Amy-Lee Kouwenberg

Advisory Committee on the Bookstore

Jason Robinson

GSU Representation on Senate Committees 2011-12 (cont'd)

Advisory Committee on the Library

Jason Robinson

Committee on Copyright

Sebastien Despres

Committee on Academic Appeals

Leigh Spinner

10.2 Report of the Committee on Elections and Committees

A memorandum dated July 29, 2011, was received from the Committee on Elections and Committees advising that the following individuals have been elected/re-elected to the Senate for a term of office commencing September 1, 2011 and expiring August 31, 2014:

HUMANITIES	Ms. Donna Walsh
MARINE INSTITUTE	Captain James Parsons Mr. Paul Brett
MEDICINE	Dr. Shree Mulay Dr. Gerard Farrell 3 Vacant Seats
MUSIC	Dr. Paul Bendzsa
NURSING	1 Vacant Seat
SCIENCE	Dr. Adrian Fiech 2 Vacant Seats
GRENFELL CAMPUS	Dr. Paul Wilson 1 Vacant Seat
SOCIAL SCIENCES	Dr. Christopher Sharpe 1 Vacant Seat

In the eight constituencies where vacancies existed, an extension of the deadline for nominations resulted in ten nominations being received. There were no nominations received in the first call. By-elections were held in the constituencies of Humanities and Science. The end result is that while nine seats have been filled, eight vacancies remain as noted above. The Committee on Elections and Committees recommends that these vacancies stand until there is a call for a by-election from eligible voters or until the next cycle of Senate elections whichever occurs earlier.

Dr. Wilson asked if there could be another attempt made to fill those vacancies noted above. Mr. Collins agreed to forward this request to the Committee on Elections and Committees for consideration.

11. Items for Information

- 11.1 The Executive Committee of Senate modified the penalty of suspension from the University to suspension from the Faculty of Business Administration in the following cases:

ECS 2010-11: #16 - Appeal against the decision of the Senate Committee on Undergraduate Studies, with respect to a finding of academic misconduct that the student is guilty of failure to follow relevant University/Faculty/School guidelines on ethics.

ECS 2010-11: #18 - Appeal against the decision of the Senate Committee on Undergraduate Studies, with respect to a finding of academic misconduct that the student is guilty of failure to follow relevant University/Faculty/School guidelines on ethics.

The Executive Committee is also requiring that upon re-entry to the Faculty that the two students undertake remedial work in ethics satisfactory to the Faculty of Business Administration.

- 11.2 The Executive Committee of Senate denied the following appeals:

ECS 2010-11: #14 - Appeal against the decision of the Senate Committee on Undergraduate Studies, with respect to a finding of academic misconduct with regard to the final examination in Business 1101, a course for which the student was registered during the Winter Semester 2011.

ECS 2010-11: #15 - Appeal against the decision of the Senate Committee on Undergraduate Studies, with respect to two separate findings of academic misconduct with regard to 1) cheating, by virtue of the student's consultation with an unauthorized person and the student's disruptive behaviour, on the final examination in Human Kinetics 1001, a course for which the student was registered during the Winter Semester 2011 and 2) plagiarism in work submitted for Business 3700, another course for which the student was registered during the Winter Semester 2011.

ECS 2010-11: #17 - Appeal against the University Committee on Admissions to deny acceptance of the student's application for admission to the university.

ECS 2010-11: #19 - Appeal against the University Committee on Admissions to deny acceptance of the student's application for admission to the university.

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

Dr. Kachanoski reported on his activities over the summer noting in particular activities relating to Spring Convocations, community engagement, the filling of senior academic and administrative positions, the restructuring of Board Committees and the implementation of the Provost structure at Memorial.

In response to a question from Dr. Wilson regarding the status of the Joint Government/University Committee on University Autonomy, Dr. Kachanoski noted that in early summer there was a vacancy in government membership

Remarks from the Chair - Questions/Comments from Senators

on the Committee. He understands that the vacancy has since been filled and the Committee is looking for a suitable time to meet.

Dr. Kachanoski then welcomed the new Vice-chair of Senate, Dr. David Wardlaw, who made a few remarks concerning his first six weeks in office as Provost and Vice-President (Academic). Senators welcomed Dr. Wardlaw to his new post.

13. ADJOURNMENT

The meeting adjourned at 6:10 p.m.

CHAIRMAN

SECRETARY