

SENATE MINUTES

FEBRUARY 13, 2001

The regular meeting of Senate was held on Tuesday, February 13, 2001, at 4:00 p.m. in Room E5004.

49. PRESENT

The President, Dr. E. Simpson, Dr. T. Daniels (for Professor A. Fowler), Dean I. Bowmer, Mr. G. Collins, Professor J. Dempster, Dean G. Kealey, Dr. G. Gardner (for Dean R. Lucas), Dr. J. Black (for Dean T. Murphy), Dr. C. Orchard, Mr. L. O'Reilly, Dr. R. Seshadri, Professor H. Weir, Dr. J. Ashton, Dr. J. Bear, Dr. M. Brosnan, Dr. G. Clark, Mr. C. Couturier, Dr. J. deBruyn, Mrs. C. Dutton, Dr. R. Gosine, Dr. D. Kimberley, Professor K. Knowles, Professor V. Kuester, Dr. M. Laryea, Ms. K. Lippold, Dr. M. Mulligan, Dr. H. Pike, Ms. D. Rehner, Dr. G. Sabin, Dr. S. Saha, Dr. W. Schipper, Dr. C. Sharpe, Dr. P. Sinclair, Dr. D. Treslan, Dr. J. Usher, Professor D. Walsh, Dr. B. Watson, Dr. M. Wernerheim, Ms. K. McDonald, Ms. A. Muselius, Mr. C. Collins, Mr. A. Kennedy.

50. APOLOGIES FOR ABSENCE

Apologies were received from Dean W. Blake, Dean. B. Burnaby, Dr. C. Higgs, Dr. T. Gordon, Dean. L. Walker, Dr. R. Adamec, Mr. C. Dennis, Dr. G. Herzberg, Dr. V. Maxwell, Dr. D. Rideout, Mr. D. Newton.

51. MINUTES

The Minutes of the regular meeting and the special meeting held on January 9, 2001 were taken as read and confirmed.

REPORT OF THE EXECUTIVE COMMITTEE OF SENATE

It was agreed by separate motion where necessary, that the report of the Executive Committee be approved as follows:

52. Report of the Senate Committee on Undergraduate Studies

52.1 Faculty of Engineering and Applied Science

Page 392, following the heading Term 7 Courses, delete the course description for Engineering 7936 and replace with the following:

"7936. Mechanical Project I. This is the first of two capstone design courses in the Mechanical Discipline. In this course mechanical students are organized into small groups or teams which must complete a common design challenge. The project is presented as an open ended problem statement with specific performance objectives. The system must be designed, prototyped and tested during the course of the term. Each team acts as a small consulting firm and is required to document its project planning as well as its design."

Page 393, following the heading Term 8 Courses, delete the course description for 8936 and replace with the following:

"8936. Mechanical Project II. This is the second of two capstone design courses in the Mechanical Discipline. Building on the skills acquired in the first, student teams each choose a unique design challenge and then proceed to generate a solution. The problem statements are often drawn from industry and, where possible, interdisciplinary interaction is encouraged (for example, with business, computer science, or other engineering disciplines). In most cases, the problem proponent will act as the "client" and the team is expected to manage the client interaction process as well. Significant emphasis is placed on both oral and written communication of both the process and the results. Where possible, each system, or a critical component of it, will be prototyped and tested."

New Courses

"7903. Mechanical Equipment. Performance characteristics of mechanical equipment: fluid power devices; heat transfer devices; mechanical drives. Relevant laboratory exercises.

7945. Machine Dynamics. Dynamics formulations. Dynamics simulations. Loads on mechanisms. Engine dynamics. Balancing. Cam dynamics. Relevant laboratory exercises.

8903. Mechanical Systems. Mechanical systems design. System simulation and control. Performance optimization and evaluation. Equipment selection for overall system design. Case studies. Relevant laboratory exercises.

8904. Flow Structure Interactions. Vortex shedding phenomena. Lifting surface oscillations. Membrane and panel flutter. Pipe flow vibrations. Hydraulic transients. Tube bundle vibrations. Acoustics of enclosures. Wave structure interactions. Relevant laboratory exercises."

Page 392, following the heading Term 7 Courses, delete the following course title and description in its entirety:

"7927. Advanced Dynamics and Stability."

Page 393, following the heading Term 8 Courses, delete the following course title and description in its entirety:

"8902. Mechanical Systems and Equipment."

Page 379, delete the chart Mechanical Engineering Curriculum: Design Option, in its entirety.

Page 380, delete the chart Mechanical Engineering Curriculum: Manufacturing Option, in its entirety.

Add the following chart Mechanical Engineering Curriculum: Design and Manufacturing, as follows:

"MECHANICAL ENGINEERING CURRICULUM: DESIGN AND MANUFACTURING					
TERM 3	TERM 4	TERM 5	TERM 6	TERM 7	TERM 8
3205					

CHEMISTRY &

PHYSICS OF

ENGINEERING

MATERIALS II

4102

ENGINEERING

ECONOMICS
COMPLEMENTARY

STUDIES ELECTIVE
3423

PROBABILITY

& STATISTICS
7936

MECHANICAL

PROJECT I
8936

MECHANICAL

PROJECT II
3844

BASIC ELECTRICAL

COMPONENTS &

SYSTEMS
4312

MECHANICS

OF SOLIDS I
5312

MECHANICS

OF SOLIDS II
6101

ASSESSMENT

OF TECHNOLOGY
7901

HEAT

TRANSFER II
8903

MECHANICAL

SYSTEMS
3901

THERMODYNAMICS I
4422

INTRODUCTION TO

NUMERICAL METHODS
5435

ADVANCED

CALCULUS
6901

HEAT

TRANSFER I
7903

MECHANICAL EQUIPMENT
TECHNICAL

ELECTIVE
3933

MECHANISMS &

MACHINES

4901
THERMODYNAMICS II
5926
MECHANICAL COMPONENT
DESIGN I
6925
AUTOMATICS CONTROL
ENGINEERING
7962
COMPUTER
AIDED
ENGINEERING
TECHNICAL
ELECTIVE
3941
PRODUCTION
TECHNOLOGY
4913
FLUID MECHANICS I
5913
FLUID MECHANICS II
6926
MECHANICAL
COMPONENT
DESIGN II
TECHNICAL

ELECTIVE
TECHNICAL

ELECTIVE
COMPLEMENTARY

STUDIES ELECTIVE

(Fast Track only)
4933

ELECTRO/MECHANICAL

SYSTEMS
5932

MECHANICAL

VIBRATIONS
6972

INDUSTRIAL

MATERIALS

NOTES: Courses offered as technical electives in the mechanical engineering programme are selected each year from courses listed in the Calendar. A list of the current offerings is available from the Discipline Chair and the Associate Dean (Undergraduate). A Mechanical Workshop (290W) is held on campus prior to the start of the Spring Semester."

Page 369, following the heading Chart of the Undergraduate Engineering Core Programme, subheading Term A, delete the following:

"ENGINEERING 1000 AN INTRODUCTION TO ENGINEERING"

Replace with:

"FREE ELECTIVE"

Page 384, following the heading Engineering Regulations, subheading Admission Modes, clause entitled Entry from within the University:, amend the entry to read as follows:

"Entry from within the University: students registered in other programmes within, or other campuses of, the University may apply for entry into second year Engineering (Term 1). Such entry is normally based upon the same criteria as promotion from first year Engineering into second year (see section 5) under Examinations and Promotions."

Page 386, following the heading Academic Terms, amend clause 5) a) by deleting the following:

"Engineering 1000,"

52.2 Faculty of Education

Page 292, following the heading Courses in Special Education, delete the current prerequisite for Education 4510 and replace with the following:

"Prerequisite or Corequisite: Education 3610."

Delete the current prerequisite for Education 4515 and replace with the following:

"Prerequisite or Corequisite: Education 3610."

Delete the current prerequisite for 4520 and replace with the following:

"Prerequisite or Corequisite: Education 3620."

Delete the current prerequisite for 4525 and replace with the following:

"Prerequisite or Corequisite: Education 3610."

Delete the current prerequisite for 4530 and replace with the following:

"Prerequisite or Corequisite: Education 3630."

Delete the current title for 4543 and replace with the following:

"4543. Language and Deafness."

Page 273, following the heading Bachelor of Education (Intermediate/Secondary), subheading Admission, following clause 2)e) insert the following new NOTE 1) and replace the current NOTE as NOTE 2) :

"NOTE 1): Applicants who will have completed all requirements for admission by the end of the Spring Semester of the year that admission is being sought will be considered as time and resources permit.

2) When calculating ..."

Page 295, following the heading Courses in Post-Secondary Education, amend the prerequisites for Education 3710, 3720 and 3730 by deleting the following:

"2720"

Amend the prerequisites for Education 4700 to read as follows:

"Prerequisites: 2710, 2720, 2730, 2801, 3280, and 3801, or equivalent teaching experience and permission of the course instructor."

52.3 Sir Wilfred Grenfell College

New Course

"English 2242. Science Fiction. English 2242 is a survey of Science Fiction from its earliest days to the present. Subjects that will be considered include the evolution of the genre, the relations among humans, technology and multinational capitalism, and the significance of memory and space.

Lectures: Three hours per week.

Prerequisite: Students must have completed a first-year English sequence to be eligible for English 2242.

NOTE: Credit may not be obtained for both English 2242 and English 2811."

Page 110, following the heading Forestry , subheading Course Descriptions, following the course description for Forestry 1900 add the following:

"Lectures: Four hours per week.

NOTE: Credit may not be obtained for both Forestry 1900 and Business 2000."

52.4 School of Nursing

Page 346, following the heading Course List, amend the course description for Nursing 3023 to read as follows:

"The main areas of focus are on communication theories and individual counselling. The course content includes selected personality theories and related counselling theories."

Page 343, following the heading Programme of Studies: Bachelor of Nursing (Collaborative), subheading Registration Examinations, amend the first paragraph to read as follows:

"To meet the licensing requirements for practising nursing in Canada, students must write the Canadian Nurses Registration Exam (CNRE)."

At this point in the meeting, the President was required to leave the meeting and Dr. Simpson assumed the Chair.

52.5 Department of German and Russian

Page 171, following the heading German and Russian Language and Literature, subheading Honours Degree, amend the second paragraph to read as follows:

"It is highly desirable that, during their course of study, all Honours candidates spend at least one programme of study or work in a German-speaking country."

Page 172, following the subheading Course List, amend the course title and description for 1000. Elementary German I to read as follows:

"1000. Elementary German I (F) & (W). A course intended to give beginners a basic knowledge of the spoken and written language and culture of the German-speaking countries."

Page 172, amend the course title for 1001. Elementary German II to read as follows:

"1001. Elementary German II (F) & (W)."

Page 172, amend the course description for 2010. Intermediate German I to read as follows:

"This course is mainly a completion and thorough review of the fundamentals of the German language, with a continued strong cultural component."

Page 172, delete the course description for German 2011 and replace with the following:

"This course is a continuation of G2010."

Page 172, amend the course titles for German 2511, 3510 and 3511 by deleting the following:

"(F) and/or (W)"

Replace with:

"(S)"

Page 172, delete the course title for German 2900 and replace with the following:

"2900. Introduction to German Culture I (F)"

Page 172, delete the course title for German 2901 and replace with the following:

"2901. Introduction to German Culture II (W)"

Page 172, amend the course description for German 3010 by deleting the word:

"difficult"

Replace with:

"advanced"

52.6 Department of History

Page 175, following the heading Course List, amend the course description for History 3560 to include the following NOTE:

"NOTE: Credit may not be obtained for both History 3560 and the former History 3743."

52.7 Department of French and Spanish

Page 162, delete the heading Institut Frecker and the first sentence immediately following this heading and replace with the following:

"FRECKER PROGRAMME

The Frecker Programme is a one-semester immersion programme offered by Memorial University in St-Pierre. Students ..."

52.8 Medieval Studies Programme

Page 182, following the heading Medieval Studies, subheadings Regulations: Majors and Regulations: Minors, delete clause 2 in its entirety and replace with the following:

"2) Six credit hours from MST 3000, 3001, 3002, 3003, 3004, 3005 and 3006."

Page 183, following the subheading Course List, amend the NOTE for Medieval Studies 3006 to read as follows:

"NOTE: Credit may be obtained for only one of Medieval Studies 3006, Women's Studies 3001 and the former Medieval Studies 3351."

Page 183, following the subheading Course List, add the following NOTE to Medieval Studies 3000 as follows:

"NOTE: Medieval Studies 3000 may be substituted for a Greek and Roman Studies course in both the Classics degree programmes (Honours, Joint Honours and general degree) and the Greek and Roman Studies degree programmes (Honours, Joint Honours and general degree)."

52.9 Women's Studies Programme

Page 197, following the heading Women's Studies, subheading Course List, Core Courses, delete:

"Women's Studies 3001/Medieval Studies 3351*. Women Writers of the Middle Ages"

Replace with:

"Women's Studies 3001/Medieval Studies 3006*. Women Writers of the Middle Ages"

Page 197, following the title for Women's Studies 3001 delete:

"(Same as Medieval Studies 3351)"

Replace with:

"(Same as Medieval Studies 3006)"

Add the following NOTE:

"NOTE: Credit may not be obtained for more than one of Women's Studies 3001, Medieval Studies 3006, and the former Medieval Studies 3351."

52.10 General Regulation E. – Second Degree Regulations

Page 54, following the heading E. Guidelines Governing Year of Degree and Departmental Regulations Which a Student Will Follow, in clause 1) in the first sentence, delete the following word:

"first"

Delete clause 2) in its entirety.

Re-number clauses 3), 4) 5) and 6) as clause 2), 3), 4) and 5).

52.11 Department of Political Science

New Course

"4000. Internship. A part-time, normally unpaid placement in government, voluntary organizations, political parties, unions, or other institutions involved in public affairs. The number of openings varies and admission to this course

is selective and competitive. Placements are for twelve weeks at eight hours per week, in addition to regularly scheduled class meetings.

Prerequisites: Fifteen credit hours in Political Science courses with a B70 average and third-year standing (minimum 60 credit hours).

NOTE: Credit may not be obtained for both Political Science 4000 and Political Science 3900."

Page 187, following the heading Course List, add the following NOTE to Political Science 3900 as follows:

"NOTE: Credit may not be obtained for both Political Science 3900 and Political Science 4000."

52.12 Department of Religious Studies

New Course

"3425. Contemporary Issues in Chinese Religion and Culture. An examination of religion in modern China and the Chinese diaspora in Taiwan, Singapore, and North America. Special attention will be paid to religious beliefs, practices, and institutions and the way in which modern attitudes have been framed by the past."

Page 189, following the heading Religious Studies, subheading Course List, delete the current title and course description for Religious Studies 3251 and replace with the following:

"3251. The Gospel of John. An examination of the Gospel of John and the community which produced it. Special attention will be given to the place of the Gospel in the history of early Christianity."

Amend the course description for Religious Studies 1000 by deleting the following:

"This course qualifies as a Research/Writing course."

Add the following to the current course descriptions for Religious Studies 2012, 2050 and 2140:

"This course may qualify as a Research/Writing course. Consult each semester's registration materials for the R/W designation."

Delete the current course title and description for Religious Studies 1021 and replace with the following:

"1021. Apocalypse: The End Times in Thought, Action, and Imagination. This course will explore the many ways in which Judaism and Christianity have anticipated and imagined the end times. Attention will be given to Jewish and early Christian notions of the Messiah and his reign, the end of the world, and the impending judgment, as well as how Christianity has coped repeatedly with the delay of the end and how millennial thought and actions have affected people during periods of social and natural crises. The role of millennial expectations in our modern era

and why the apocalypse is once again a powerful image in religion, film, and literature will also be covered."

Page 189, following the heading Religious Studies, subheading General Degree, Major in Religious Studies, clause 2., insert the following course:

"3425"

52.13 Department of Political Science

Page 186, following the heading Political Science, subheading Course List, insert the following prerequisites for each course as indicated:

"3010. Research Design and Data Collection.

Prerequisite: Political Science 2500.

3100. Political Theory I.

Prerequisite: Any 2000 level course in Political Science.

3110. Political Theory II.

Prerequisite: Any 2000 level course in Political Science.

3250. International Political Economy.

Prerequisite: Political Science 2200.

3291. The European Union.

Prerequisite: Political Science 2200 or 2300.

3300. European Politics.

Prerequisite: Political Science 2300.

3310. American Political System.

Prerequisite: Any 2000 level course in Political Science.

3510. Public Opinion.

Prerequisite: Political Science 2500.

3511. Political Communication.

Prerequisite: Political Science 2500.

3531. Political Parties.

Prerequisite: Political Science 2300 or 2500 or 2711.

4113. Contemporary Democratic Theory.

Prerequisite: Political Science 3100 or 3110 or 3140.

4301. Preconditions of Democracy.

Prerequisites: Political Science 2300 plus one Political Science course numbered at the 3300 or 3400 level.

4313. The Politics of Contemporary Welfare States.

Prerequisites: Political Science 2300 plus one Political Science course numbered at the 3300 level or permission of the instructor."

52.13 Department of History

Page 174, following the heading History, subheading Course List, delete the current title for History 3450 and replace with the following:

"3450. Tudor and Stuart Britain. 1485–1714."

52.14 Women's Studies Programme

Page 197, following the heading Women's Studies, amend the first paragraph to read as follows:

"The Minor in Women's Studies is a multi-disciplinary ... Bachelor of Arts, Bachelor of Science, Bachelor of Commerce (Co-operative) and Bachelor of Business Administration. The Minor programme is an ..."

Following the heading Women's Studies, subheading Regulations, amend clause 4) to read as follows:

"4) A minimum of fifteen (15) credit hours in courses from the Elective Course List outlined below, taken in at least three different subject areas. One of these courses may be a selected topics or directed readings course in any Arts subject relevant to the Minor programme.

A selected topics course or directed readings course included in a student's minor programme must be approved in advance by the Committee on Undergraduate Studies on the recommendation of the Programme Coordinator. For more information about Special Topics courses, see General Regulations, item O. Special Topics Courses."

Delete clause 5) in its entirety.

Re-number clause 6) as clause 5)

Following the subheading Course List, delete the heading "Required Courses"

Delete the entry "Elective Courses" in its entirety.

Replace the heading "Core Courses" with "Elective Courses"

Immediately following the subheading Course List, insert the following:

"Core Courses

-Women's Studies 2000. An Interdisciplinary Introduction to Women's Studies

-Women's Studies 3000. Feminist Research Methods

-Women's Studies 4000. Seminar in Women's Studies"

Following the new heading "Elective Courses" insert the following:

"-Education 3565.** Gender and Schooling

-Philosophy 2805. Contemporary Issues

-Physical Education (PHSD) 3490. Women in Sport and Physical Activity

-Physical Education (RECR) 3595. Women and Leisure

-Psychology 3533. Sexual Behaviour

-Women's Studies 3100. Women and Health"

Following the new heading "Elective Courses" delete the following:

"-Physical Education 3590. Women in Sport, Physical Activity and Leisure"

Following the new heading "Elective Courses" amend "Women's Studies 3001/Medieval Studies 3351*" to read "Women's Studies 3001/Medieval Studies 3006*"

Amend the calendar description for Women's Studies 3001 to read as follows:

"Women's Studies 3001. Women Writers in the Middle Ages. (Same as Medieval Studies 3006). The course will ..."

New Course

"Women's Studies 3100. Women and Health. Using an interdisciplinary perspective, this course will explore selected issues relating to women and their health. The material covered will help students acquire a better appreciation and understanding of some of the determinants of women's health, gender bias in health care and research, the portrayal of women's health in the popular press, and women as patients. A primary emphasis of the course will be to teach students the skills to carry out gender-based analyses of the health literature and health organizations."

52.15 Aboriginal Studies Minor

Page 142, following the heading Programme and Course Descriptions, subheading Aboriginal Studies, amend the first paragraph to read as follows:

"Programme Co-ordinator: Dr. Carrie Dyck, Department of Linguistics"

Following the subheading Regulations, amend the paragraph to read as follows:

"Students who minor in Aboriginal Studies shall complete a minimum of twenty-four credit hours including Anthropology 2414 (three credit hours) plus one course in any three of the following disciplines: Education, English, History, Linguistics, and Social Work (nine credit hours). The remaining twelve credit hours can be chosen from any of the courses in the programme. (Note: Students enrolled in the Bachelor of Education (Native and Northern) Degree Programmes must contact the Native and Northern Teacher Education Office for information on which Education courses may be used for the Aboriginal Studies Minor)."

Following the subheading Course List, immediately preceding the section "History/Anthropology" insert the following:

"Education

Education 2032 – Introduction to Language and Culture in Native Education.

Education 2361 – School and Community.

Education 3573 – History of Native and Northern Education in Canada

Education 4020 – Issues and Trends in Native Education"

Following the subheading Course List, in the section "History" insert the following:

"History 2200. Canadian History. 1497 – 1867."

Following the subheading Course List, in the section "Sociology/Anthropology" insert the following:

"S/A 4070. Aboriginal Self-Governance."

Following the subheading Course List, in the section "Linguistics" insert the following:

"Linguistics 1030. Reading and Writing in Innu-aimun I.

Linguistics 1031. Reading and Writing in Innu-aimun II."

Before Linguistics 2020, 2021, 2025, 2026, 2030, 2031, 2040, 2041, 4010, 4020, 4030, 4040 insert an " * " immediately preceding the word Linguistics.

Following the subheading Course List, in the section "Social Work" insert the following:

"Social Work 5614. Social Work in Rural Newfoundland and Labrador"

Before Social Work 3230, 3511 and 3530 insert an " * " immediately preceding the word Social Work.

Immediately following the complete entry for the section "Social Work" insert the following:

"NOTE: The normal departmental pre-requisites are applicable, but Department Heads may waive course pre-requisites in cases where alternate preparation can be demonstrated."

52.16 Department of Linguistics

New Courses

"2700. Introduction to Irish Gaelic I. An introduction to standard modern Irish. The course teaches a core vocabulary, the system of pronunciation alternations which form the unique sound-based

grammar of the language, the spelling system which captures these sound alternations, and a few simple sentence structures.

Prerequisite: None, but Linguistics 2103 or Linguistics 2014 is recommended.

2701. Introduction to Irish Gaelic II. A continuation of Introduction to Irish Gaelic I. The course develops sentence structures, cases, and verb tenses and strives to reach a basic reading competence of the language. Three hours of classroom instruction plus one hour language lab each week.

Prerequisite: 2700. Introduction to Irish Gaelic I."

Page 178, following the heading Linguistics, subheading Course Descriptions, amend the entry for 2700–20. Special Topics in Linguistics, to read as follows:

"2702–20. Special Topics in Linguistics."

52.17 Department of English/Medieval Studies Programme

Page 154, following the subheading Course List, delete the entry for 250A/B in its entirety.

New Courses

"3500. Old English Language and Poetry. This course introduces students to the basic elements of Old English grammar and vocabulary through the practice of translating one or more poems from Old English into modern English and the study of the Old English poetic corpus in modern translations.

NOTES: 1) It is strongly recommended that students complete English 2390 prior to taking this course.

2) Students who have completed English 250A/B cannot receive credit for either English 3500 or English 3501.

3501. Old English Language and Prose. This course introduces students to the basic elements of Old English grammar and vocabulary through the practice of translating one or more prose

texts from Old English into modern English and the study of selected Old English prose texts in modern English translations.

NOTES: 1) It is strongly recommended that students complete English 2390 prior to taking this course.

2) Students who have completed English 250 A/B cannot receive credit for either English 3500 or English 3501."

Page 153, following the heading English Language and Literature, subheading General Degree, amend clause 4. e) by deleting:

"250A, 250B"

Replace with:

"3500, 3501"

Page 153, following the heading Honours Degree with English as Major Subject, amend clause 2. as follows:

"2. The following courses are compulsory:

o Either 2110* and 2111* or 2000 and 2001;

b) Three credit hours in one of 2150, 2212, 2213;

* 2390;

* 3003;

* Three credit hours in one of 3500, 3501;"

Re-number remaining clauses as 2.e) to 2.k) as 2.f) to 2.l).

Page 154, following the heading Joint Honours Degree in English and Another Major Subject, delete the current clause f) and replace with the following:

"f) At least three credit hours in courses chosen from each of 2.(h), 2(i) and 2(j) above – Honours Degree with English as Major subject."

Page 157, delete the NOTE following English 3700, 4500 and 4501.

Page 182, following the heading Medieval Studies, subheading List A: Other Courses Approved for Inclusion in Medieval Studies Major and Minor Programmes Subject to the Foregoing Regulations, under 2000 level courses or equivalent, delete English 250A/B

Under 3000 level courses, following English 3021, insert:

"English 3500

English 3501"

At this point the President returned to the meeting and re-assumed the Chair.

52.18 Proposal for Economics Cooperative Education Option

Page 151, immediately following the heading Economics, and preceding the subheading Admission Regulations (B. Sc.), insert the following:

"Programmes in Economics

The following programmes are available in the Department:

- * Major in Economics (B.A. or B.Sc.)
- * Honours in Economics (B.A. or B.Sc.)
- * Minor in Economics
- * Joint Programmes (B.Sc. Only)
- * Major in Economics (Co-operative) (B.A. or B.Sc.)"

Delete the current heading "General Degree (B.A. or B.Sc.) and replace with the following:

"Major in Economics (B.A. or B.Sc.)"

Following the entry entitled Joint Programmes, insert the following new entry:

"MAJOR IN ECONOMICS (CO-OPERATIVE), (B.A. OR B.SC.)

Economics Co-operative Education Option (ECEO)

This Economics Programme is available to full-time economics majors (B.A. and B.Sc.) only.

The ECEO provides an excellent mutual opportunity for students and employers. Qualified students will obtain rewarding employment experience in fields related to Economics for several months of continuous duration. Students will learn valuable practical skills in an employment situation during their course of study. Furthermore, paid employment will help to defray the cost of their education. The timing of the Work Terms and the structure of the ECEO generally are such that employers stand to gain from the acquired employable skills of economists in training. The objectives of the Work Term component of the ECEO are embodied in the Work Term descriptions below. The descriptions serve to guide the student and the employer toward achieving these objectA)

Admission Requirements

1. Admission is competitive and selective. Therefore, prospective students are encouraged to consider an alternate degree programme in the event that they are not accepted into the Co-operative programme.
2. Applicants should note that it is possible to enter Term 1 only in the Fall semester commencing in September of each academic year. Application forms are available in the Department of Economics. The deadline for applications for admission to Term 1 is March 1.
3. The primary criterion used in reaching decisions on applications for admission is overall academic achievement. Students with weak overall academic records are unlikely to be admitted.
4. To be eligible for admission to Term 1 an applicant must have successfully completed a minimum of thirty credit hours with an

overall average of at least 65% as follows: All applicants must have completed Economics 2010 and 2020; at least six credit hours in English*; Mathematics 1000; and 15 credit hours chosen from courses in the Faculties of Arts** or Science. B.Sc. Applicants must have completed Mathematics 1001.

*It is recommended that students complete English 1110. Critical Reading and Writing II (Context, Substance, Style) as one of these English courses. **It is also advised that B.A. students choose courses which can satisfy the requirements for the Core Programme (see Arts Degree Regulations for these requirements), including courses in a second language.

1. Students may apply for admission to Advanced Standing.

Transfer students from other universities will be placed in that term of the programme judged to be appropriate considering equivalent credits, as determined by the Department.

B.) Programme of Study

1. Promotion from each of Terms 1 through 6 requires a passing grade in all specified required courses and an overall average of at least 60% in all courses including electives. A student who fails a required course or fails to maintain the overall average of 60% will not be promoted to the next term and will be required to withdraw from the programme. The student in question may apply for readmission in a subsequent year after passing the specified required course(s) previously failed, or re-establishing the 60% average.

2. In addition to the 30 credit hours required for admission, students are required to complete the six academic terms in the ECEO programme for a total of 120 credit hours. Students must complete three Work Terms which follow Academic Terms 3, 4 and 5.

3. Courses shall normally be taken in academic terms or "blocks" in the sequenced course load and order as set out in Table 1– Academic Course Programme B.A. or in Table II – Academic Course

Programme B.Sc. Unspecified credits may be used to fulfill elective requirements only.

4. General University Regulation D. clause 1 notwithstanding, students do not require special permission to register for courses while on work terms if the courses are in addition to the prescribed programme.

Table 1 – Academic Course Programme B.A.

Term 1 (Fall)

Economics 3000 . Intermediate Micro Theory I
Economics 3550. Mathematical Economics I
Statistics 2500. Statistics for Business and Arts Students I
Six Credit Hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

Term 2 (Winter)

Economics 3001. Intermediate Micro Theory II
Economics 3010. Intermediate Macro Theory I
Economics 2550. Economic Statistics and Data Analysis
Six credit hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

Term 3 (Spring)

Three further credit hours in Economics courses
Twelve credit hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

Work Term 1 (Fall)

Economics 299W

Term 4 (Winter)

Economics 3011. Intermediate Macro Theory II
Economics 4120. Applied Welfare Economics and Cost Benefit Analysis

Economics 4550. Econometrics I

Six credit hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

Work Term II (Spring)

Economics 399W

Term 5 (Fall)

Economics 4551. Econometrics II

Three further credit hours in Economics courses

Nine credit hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

Work Term III (Winter)

Economics 499W

Term 6 (Spring)

Six further credit hours in Economics courses

Nine credit hours in Minor, Core and elective courses [See NOTES 1 and 2 below]

NOTES: 1) Courses specified for admission to and completion of the ECEO only partially satisfy the Core Requirements for the Degree of Bachelor of Arts. Additional Core Requirements are six credit hours in the SAME second language, three credit hours in a Social Science course (other than Economics). 12 credit hours in Humanities courses, as well as six credit hours in research /writing courses (which may be met within the major and minor programmes and/or in courses completed for the Social Science and Humanities requirements). These additional requirements should be completed before and following admission to Term 1 as part of the Minor programme and elective components of the degree. Students are reminded that careful planning is necessary to ensure that all Core and minor requirements are satisfied.

2) A minor is required for a B.A. degree in economics.

Table II – Academic Course Programme B.Sc.

Term 1 (Fall)

Economics 3000. Intermediate Micro Theory I
Economics 3550. Mathematical Economics I
Statistics 2510. Statistics for Physical Science Students
Computer Science 1700. Introduction to Computer Science
Three credit hours in elective courses [See NOTE1]

Term 2 (Winter)

Economics 3001. Intermediate Micro Theory II
Economics 3010. Intermediate Macro Theory I
Economics 2550. Economics Statistics and Data Analysis
Mathematics 2050. Linear Algebra
Three credit hours in elective courses [See NOTE 1]

Term 3 (Spring)

Six further credit hours in Economics courses
Nine credit hours in elective courses

Work Term 1 (Fall)

Economics 299W

Term 4 (Winter)

Economics 3011. Intermediate Macro Theory II
Economics 4120. Applied Welfare Economics and Cost Benefit
Analysis
Economics 4550. Econometrics I
Three further credit hours in Statistics courses [See NOTE 1]
Three credit hours in elective courses [See NOTE 1]

Work Term II (Spring)

Economics 399W

Term 5 (Fall)

Economics 4551. Econometrics II

Three further credit hours in Computer Science courses [See NOTE 2]

Nine credit hours in elective courses [See NOTE 1]

Work Term III

Economics 499W

Term 6 (Spring)

Six further credit hours in Economics courses

Nine credit hours in elective courses [See NOTE 1]

NOTES: 1) Elective courses should be chosen with reference to the Regulations for the General Degree of Bachelor of Science, since courses specified for admission to and completion of the ECEO only partially satisfy these regulations. In particular note that (i) at least 78 credit hours (26 courses) in Science subjects are required and that (ii) at least three credit hours in an additional Science subject other than Mathematics/Statistics, Economics and Computer Science must be included in these Science courses.

2) The Statistics and Computer Science elective courses may both be taken in either Term 4 or 5.

C) Work Term Placement

1. General management of the work terms in the ECEO is the responsibility of the Co-operative Education Services Centre (CESC). It is responsible for assisting potential employers to become involved in the programme, organizing competitions for Work Term employment, arranging student-employer interviews and facilities, data base management, and for the continual development of employment opportunities. The programme co-ordinator (hereafter referred to as co-ordinator) is an Academic Staff member who will work with the department to counsel students, visit students on their work assignments and evaluate the work term.

2. Work placement is not guaranteed but every effort is made to ensure that appropriate employment is made available. In the case of students who are required to withdraw from the programme, the

CESC has no responsibility for placement until they have been re-admitted to the programme.

3. A student who applies for admission to the co-op programme gives permission to the University to provide a copy of the applicant's resume, university transcript and work term evaluations to potential employers.

4. A student who has been accepted to the ECEO programme may obtain his/her own work term placement outside the competition. Such employment positions must be confirmed by the employer, and must be approved by the co-ordinator.

5. Students are expected to submit, within a month from starting a Work Term, a plan of the intended work that term.

Salaries paid to co-operative students are determined by employers based on their internal wage structures, and tend to increase as the student progresses through the programme and assumes more responsibility. However, students should not expect the income from work terms to make them completely self-supporting.

D. Registration and Evaluation of Performance

1. In Work Terms I, II, and III, students must register for Economics 299W, 399W, and 499W respectively.

2. Student performance evaluations are to be completed by the employer and returned to the co-ordinator. The Work Term evaluations shall consist of two components:

a) On-the-job Student Performance:

Job performance shall be assessed by the co-ordinator in consultation with the department using information gathered during the Work Term and input from the employer towards the end of the Work Term. Formal written documentation from the employer shall be sought.

b) The Work Report:

i. Students are required to submit a Work Term report to the co-ordinator on the first day of final exams.

ii, Work Term reports shall be evaluated by a faculty member and the co-ordinator.

iii, If an employer designates a report to be of a confidential nature, both employer and the co-ordinator must agree as to the methods to protect the confidentiality of such a report before the report may be accepted for evaluation.

iv. Reports must contain original work related to the Work Term placement. The topic must relate to the work experience and will be chosen by the student in consultation with the employer. The topic must be approved by the co-ordinator or a faculty member of the Department of Economics.

Assessment of performance will result in the award of one of the following grades for the Work Term: a) Pass with Distinction: Indicates EXCELLENT PERFORMANCE in both the work reports and the work performance.

b) Pass: Indicates that PERFORMANCE MEETS EXPECTATIONS in both the work reports and the work performance.

c) Fail: Indicates FAILING PERFORMANCE in the work reports or the work performance.

For promotion from the Work Term, a student must obtain at least a Pass.*

*a. Students should also refer to the General regulations of the University.

b. The grades awarded for each work term will be noted on the transcript of the student.

3. If a student fails to achieve the Work Term standards specified above the student will be required to withdraw from the programme. Such a student may reapply to the programme after a lapse of two semesters, at which time the student will be required to repeat the Work Term with satisfactory performance before being admitted to any further academic term in the Faculty. A given work term may be repeated only once, and not more than two work terms may be repeated in the entire programme.

4.. In order to be considered for re-admission, students must formally apply for re-admission to the programme not later than the deadline date specified in Clause 2 of the Admission section A above.

5. A student who withdraws from a Work Term without acceptable cause subsequent to a job placement will be required to withdraw permanently from the Co-operative education programme. Students who drop a Work Term without prior approval from both the co-ordinator and the Head of the Department of Economics, or who fail to honour an agreement to work with an employer, or conduct themselves in such a manner as to cause their discharge from the job will normally be awarded a failed grade for the Work Term in question. Permission to drop a Work Term does not constitute a waiver of degree requirements, and students who have obtained such permission must complete an approved Work Term in lieu of the one dropped."

Page 151, following the heading Course List, immediately following the entry 4999. Honours Essay, insert the following:

"WORK TERM DESCRIPTIONS

The following Work Terms are a requirement of the Bachelor of Arts and Bachelor of Science Co-operative Education Option only.

299W. Work Term I. This Work Term follows the successful completion of Academic Term 3.

For most students, it represents their first work experience in a professional environment and as such represents their first opportunity to evaluate their choice of pursuing a career in Economics. Students are expected to learn, develop and practice the high standards of behaviour and performance normally expected in the work environment. (A detailed description of each job is normally posted during the job competition.) (Course fee: \$420)

As one component of the Work Term, the student is required to complete a work report. The work report, as a minimum requirement should

a) include a description of the project including the objectives, goals and duties of the student. It should also include a history of student's activities and accomplishments with the employer

b) analyze an issue/problem related to the student's work environment.

c) demonstrate an understanding of the structure of a professional report, and show reasonable competence in written communication and presentation skills. (Students should consult the evaluation form provided in the placement package.)

Late reports will not be graded unless prior permission for a late report has been given by the co-ordinator.

NOTE: Seminars on professional development, conducted by the CESC, are presented during Academic Term 2 to introduce and prepare the student for participation in the subsequent work terms. Topics may include, among others, work term evaluation, work report writing, career planning employment seeking skills, resume preparation, self-employment, ethics and professional concepts, behavioural requirements in the work place, assertiveness in the work place and industrial safety.

399W. Work Term II. This Work Term follows the successful completion of Academic Term 4. Students are expected to further develop and expand their knowledge and work-related skills and should be able to accept increased responsibility and challenge. In addition, students are expected to demonstrate an ability to deal with increasingly complex work-related concepts and problems. (Course fee: \$420).

The Work Report, as a minimum requirement should

a) include a description of the project including the objectives, goals and duties of the student. It should also include a history of student's activities and accomplishments with the employer

b) analyze an issue problem related to the student's work environment and demonstrate an understanding of practical

application of concepts relative to the student's academic background

c) demonstrate competence in creating a professional report, and

d) show competence in written communication and presentation skills.

Late reports will not be graded unless prior permission for a late report has been given by the co-ordinator.

499W. Work Term III. This Work Term follows the successful completion of Academic Term 5. Students should have sufficient academic grounding and work experience to contribute in a positive manner to the problem-solving and management processes needed and practiced in the work environment. Students should become better acquainted with their discipline of study, should observe and appreciate the attitudes, responsibilities, and ethics normally expected of professionals and should exercise greater independence and responsibility in their assigned work functions. (Course fee: \$420).

The Work Report should reflect the growing professional development of the student and, as a minimum requirement, will

a) include a description of the project including the objectives, goals and duties of the student. It should also include a history of student's activities and accomplishments with the employer

b) demonstrate an increased ability to analyze a significant issue/problem related to the student's experience in the work environment

c) demonstrate a high level of competence in producing a professional report, and

d) show a high level of competence in written communication and presentation skills.

Late reports will not be graded unless prior permission for a late report has been given by the co-ordinator."

Page 135, re-order Degree Regulations for the Faculty of Arts as follows:

* Regulations for the General Degree of Bachelor of Arts (current Calendar entry retained)

* Regulations for the Honours Degree of Bachelor of Arts (current Calendar entry retained)

* Regulations for the Degree of Bachelor of Arts (Police Studies) (current Calendar entry retained)

* Regulations Governing Co-operative Education Programme (See Department of Economics)

* Regulations for the Joint Degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative) (current Calendar entry retained)

* Diploma Programmes Offered in the Faculty of Arts (current Calendar entries retained for the Diplomas in ESL and Heritage Resources, preceded by a new entry for "Diploma in Applied Ethics", approved by Senate in May, 2000).

52.19 Department of Biochemistry

Page 223, following the heading Joint Programmes, subheading Biochemistry (Nutrition)/Psychology (Behavioural Neuroscience) Joint Honours, clause a) delete the following:

"Chemistry 1050 and 1051 (or equivalents)"

Replace with:

"Chemistry 1010 and 1011 (or 1050, 1051)"

Delete clause g) in its entirety and replace with the following:

"g) Other courses to complete at least the prescribed minimum of 120 credit hours in courses for the Joint Honours Degree."

Page 223, following the subheading Biochemistry/Psychology (Behavioural Neuroscience) Joint Honours amend the first sentence to read as follows:

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

Clause a), delete the following:

"Physics 1050 and 1054 (or Physics 1020, 1021, 1054)"

Replace with:

"Physics 1050 or 1020, and 1054."

Delete clause g) in its entirety.

Page 223, following the subheading Cell Biology and Biochemistry Joint Honours, insert new clause g) as follows:

"g) Other courses to complete the prescribed minimum of 135 credit hours in courses for the Joint Honours Degree."

Page 223, following the subheading Physics/Biochemistry Joint Honours, clause b) delete the following:

"2300"

Page 223, following the subheading Physics/Biochemistry Joint Honours, add new clause c) as follows:

"c) Chemistry 2300 or Physics 2053"

Re-letter current clauses c), d), e), f), g) and h) as d), e), f), g), h) and i)

Page 230, following the heading Programme and Course Descriptions, immediately preceding the subheading Biochemistry Programme, insert the following new section:

"ADMISSION TO PROGRAMMES

Students who wish to declare a Major in Biochemistry or Biochemistry (Nutrition) or who wish to apply for Honours standing in any of our programmes are strongly recommended to do so by June 30 in any year. Students who do not declare by this date may not be considered for departmental scholarship or other awards.

NOTE: Please see p.231 for regulations governing admission to Biochemistry(Dietetics)."

Page 231, following the heading Professional Programme in Dietetics, subheading Admission to Dietetics, amend the entries for English, Chemistry and Mathematics in the fourth paragraph to read as follows:

"-Chemistry 1010, 1011 (or Chemistry 1050, 1051)

-English 1080, 1110 (or equivalent)

-Mathematics 1090, 1000 (or Mathematics 1000 and one elective)"

Page 232, following the subheading Honours Degree in Dietetics, insert the following immediately following the heading so that it now becomes the first paragraph:

"Students normally should apply for an Honours programme at the completion of their third year of studies. To be eligible for admission, students must be in Honours standing."

Page 232, following the heading Course List, delete the current prerequisites for Biochemistry 3105 and replace with the following:

"Prerequisites: Biochemistry 2101; and Chemistry 2300 or Physics 2053."

Following the heading Course List, amend the prerequisites for Biochemistry 4502 to read as follows:

"Prerequisite: Biochemistry 4301."

Page 234, following the heading Course List, add the following sentence at the end of the course description, but before the NOTE for Biochemistry 499A/499B to read as follows:

"...oral presentation of his/her research. Admission to this course is restricted to Honours students in their final year or by permission of the Head."

Following the heading Course List, add the following sentence at the end of the course description, but before the NOTE for Biochemistry 4999 to read as follows:

"...before the end of the semester. Admission to this course is restricted to Honours students in their final year or by permission of the Head."

52.20 Department of Biology

Page 235, following the heading Course List, amend the prerequisites for Biology 4750 to read as follows:

"Prerequisites: Biology 2600, Statistics 2550 (or equivalent)."

52.21 Department of Mathematics and Statistics

Page 252, following the heading Applied Mathematics Courses, for Mathematics 2130 insert the following prerequisite:

"Prerequisite: M 1001 and (AM 2120 or CS 2710 or CS 2602 or permission of the Head of Department)."

52.22 Department of Physics

Page 256, following the heading Physics and Physical Oceanography, subheading Major in Physics, amend clause h) to read as follows:

"h) Physics 3810 or AM/PM 3202."

Page 256, subheading Programmes in Physics, immediately preceding "-Physics/Chemistry Joint Honours" insert the following:

"-Physics/Biochemistry Joint Honours"

52.23 Department of Chemistry

New Courses

"3410. Bio-organic Chemistry (F). A study of the major classes of biomolecules, their structure, function, and in vitro chemistry. An introduction to natural products. Synthetic polymers compared to biopolymers. Heteroaromatic molecules and derived biomolecules.

Prerequisite: Chemistry 2401. It is recommended that Chemistry 3500 be taken concurrently.

Lectures: Three hours per week.

Laboratory: Three hours per week.

NOTE: Students may obtain credit for only one of Chemistry 3410 and the former Chemistry 3401.

3411. Synthetic Organic Chemistry I (W). A survey of some important reactions used in organic synthesis, including pericyclic reactions and those based on carbocation, carbene, nitrene and carbanion intermediates. Emphasis is placed on multifunctional compounds.

Prerequisite: Chemistry 3410, or Biochemistry 2100 and 2101. Chemistry 3500 is recommended.

Lectures: Three hours per week.

Laboratory: Three hours per week.

NOTE: Students may obtain credit for only one of Chemistry 3411 and the former Chemistry 3400.

4110. Analytical Chemistry II (F). Error treatment, atomic emission and absorption spectroscopy, chromatographic and other separation techniques, electroanalytical chemistry, mass spectrometry, x-ray spectroscopy, ion and electron spectroscopy.

Prerequisites: Chemistry 3100 and 3300. Chemistry 3300 may be taken concurrently with Chemistry 4110.

Lectures and Laboratories: Not more than six hours per week.

NOTE: Students may obtain credit for only one of Chemistry 4110 and the former Chemistry 4100 and for only one of Chemistry 4110 and the former Chemistry 4101.

4150. Advanced Spectrometric Techniques. General principles and instrumentation, advanced atomic absorption and emission spectroscopy, atomic mass spectrometry, x-ray spectroscopy, neutron activation analysis, microprobe analysis.

Prerequisites: Chemistry 4110, which may be taken concurrently (or Chemistry 4100 or Chemistry 4101).

Lectures and Laboratories: Not more than six hours per week.

4151. Analytical Separations and Organic Mass Spectrometry. Advances in the traditional chromatographic techniques, the development of new analytical tools in separation science, the interfacing of mass spectrometers to chromatographic instruments, and other mass spectrometric techniques.

Prerequisites: Chemistry 4110, which may be taken concurrently (or Chemistry 4100 or Chemistry 4101)

Lectures and Laboratories: Not more than six hours per week.

4152. Electroanalytical Techniques. The principles and theory of dynamic electrochemistry, voltammetry, stripping analysis, electrochemical sensors and detectors.

Prerequisites: Chemistry 4110, which may be taken concurrently (or Chemistry 4100 or Chemistry 4101).

Lectures and Laboratories: Not more than six hours per week.

4302. Statistical Thermodynamic (W). Probability theory, ensembles, quantum statistical thermodynamics of ideal gases, perfect crystals, metals and radiation. Semiclassical statistical thermodynamics, distribution functions, dense gases and liquids.

Prerequisite: Chemistry 4300.

Lectures: Three hours per week.

Laboratory: Three hours per week

NOTE: Students may obtain credit for only one of the former Chemistry 4301 and Chemistry 4302.

4420. Physical Organic Chemistry (F). An introduction to the quantitative and qualitative theories of reactions and reactivity and their application to organic reaction mechanisms and to mechanism elucidation.

Prerequisite: Chemistry 3301, and 3401 or 3411. Chemistry 3500 is strongly recommended.

NOTE: Students may obtain credit for only one of Chemistry 4420 and the former Chemistry 4400 and for only one of Chemistry 4420 and the former Chemistry 4401.

4430. Synthetic Organic Chemistry II (W). Modern synthetic methods with particular attention placed on the synthesis of enantiomerically enriched compounds and newer methods for the formation of carbon-carbon bonds. Designing syntheses of complex organic molecules.

Prerequisite: Chemistry 3401 or 3411. Chemistry 4420 is strongly recommended.

NOTE: Students may obtain credit for only one of Chemistry 4430 and the former Chemistry 4410.

Page 239, following the heading Course List, delete the following courses in their entirety:

"3400, 3401, 4100, 4101, 4301, 4400, 4401 and 4410"

Page 223, following the heading Joint Programmes, subheading Chemistry/Biochemistry Joint Honours Degree, delete clause c) and replace with the following:

"c) Chemistry 2210, 2300, 2400, 2401, 3100, 3211, 3300, 3301, 3410, 3411, 3500; 4110; and six further credit hours in Chemistry courses at the 4000-level."

Page 225, following the subheading Earth Sciences/Chemistry Joint Honours, amend clause c) by deleting:

"3400, 3401"

Replace with:

"3410, 3411"

Page 239, following the subheading Minor in Chemistry, delete:

"3400, 3401", replace with: "3410, 3411"

Page 239, following the subheading General Degree–Major in Chemistry, amend clause a) by deleting:

"3400, 3401", replace with: "3410, 3411"

Delete: "4100 or 4101", replace with: "4110"

Page 239, following the heading Honours Degree in Chemistry, subheading Required Courses, amend clause a) by deleting:

"3400, 3401", replace with: "3410, 3411:

Delete: "4100 or 4101", replace with: "4110"

Delete: "4301", replace with: "4302"

Page 238, following the heading Chemistry, subheading Undergraduate Handbook, amend the paragraph as follows:

"Additional information ... available on the web at www.chem.mun.ca."

Page 239, following the heading Course List, for Chemistry 3100 amend the prerequisite to read as follows:

"Prerequisite: Chemistry 2300."

For Chemistry 4411 amend the course title by deleting the following:

"(W)"

Page 223, following the heading Cell Biology and Biochemistry Joint Honours, amend clause d) to read as follows:

"d) Chemistry 2300, 2400, 2401, 3100, 3410, 3411."

Page 230, following the heading Programme and Course Descriptions, subheading Honours Degree in Biochemistry, amend clause f) to read as follows:

"f) Chemistry 2300, 2400, 2401, 3411."

52.24 Science 1000/1001

Page 264, following the heading Science, for Science 1001 delete the NOTE in its entirety and insert the following prerequisite and new NOTE as follows:

"Prerequisite: Science 1000.

NOTE: Science 1000/1001 may not be used to fulfill any of the Science course requirements for the Honours and General Degrees in Science."

52.25 Department of Earth Sciences

New Courses

"1002. Concepts and Methods in Earth Sciences. Introduction to a broad range of concepts concerning the development of the geological record and the Earth; practical methods for collection of field based data; topics in map interpretation and geometric analysis, stratigraphy, paleontology, structure and petrology. The course is presented with an emphasis on the development of practical skills needed to pursue a career in Earth Sciences.

Lectures: Three hours per week.

Laboratories: Three hours per week.

Prerequisite: Earth Sciences 1000.

2401. Structural Geology (W). Introduction to basic concepts; the physics of rock deformation, the classification and descriptive geometry of major and minor structures and their

relationship to stress and strain. Laboratory work will concentrate on analysis of structural orientation data, and the analysis of structures in geological maps and cross-sections.

Prerequisite: Earth Sciences 2310.

NOTE: Credit may not be obtained for both Earth Sciences 2401, and the former Geology 3120 or Earth Sciences 3120 or Earth Sciences 3400.

2402. Field Methods in Structural Geology and Stratigraphy (W). A one credit hour course based on approximately 5 days of geological mapping in Precambrian rocks near St. John's. Emphasis is placed on application of techniques of structural analysis. Evenings will be dedicated to data analysis and preparation of structural maps and sections.

Prerequisite: Earth Sciences 2401.

NOTE: 1) This course will be given during a special session immediately following the winter semester examination period. Entry is by application to the Head of the Department (or delegate) only.

3054. High-Temperature Geochemistry and Igneous Petrology (F). An integrated course dealing with the geochemistry, origin and classification of igneous rocks. Topics include trace element geochemistry; physical properties of magmas, physical and chemical process in magma chambers (fractional crystallization, differentiation, assimilation and partial melting), phase equilibria and application to magmas, petrology of the mantle, and igneous rocks of specific tectonic settings (oceanic lithosphere, continental margins, continental lithosphere). Laboratories include geochemical calculations and examination of rock samples and thin sections.

Prerequisites: Earth Sciences 2031 and 2502.

NOTES: 1) Credit may not be obtained for 3054 and the combination of 3053 and the former 2503.

2) This course will be offered for the first time in fall 2002 as a replacement of parts of Earth Sciences 3053 and the former Earth Sciences 2503.

3055. Thermodynamics and Metamorphic Petrology (W). An integrated course dealing with the geochemistry, origin and classification of metamorphic rocks. Topics include thermodynamic background and kinetics (transfer of mass and energy in geochemical systems of the Earth's interior, thermodynamic laws,

phase equilibria, solid–solid reactions, reaction rates); metamorphic facies, field gradients, isograds and reactions; mineral assemblages and textures of common metamorphic rocks. Laboratories include thermodynamic and phase diagram problems, hand specimen and thin section studies.

Prerequisites: Earth Sciences 2031 and 2502, Mathematics 1001.

NOTES: 1)Credit may not be obtained for 3055 and the combination of 3053 and the former 2503.

2)This course will be offered for the first time in winter 2003 as a replacement of parts of Earth Sciences 3053 and the former Earth Sciences 2503.

Page 224, following the subheading Biology and Earth Sciences Joint Honours, amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, Chemistry 1010 ..."

Amend clause b) to read as follows:

"b) Chemistry 2440, Biochemistry 2101, Biochemistry 3106, one of Statistics 2550, 2560 or 2510."

Page 225, following the heading Joint Honours in Geography/Earth Sciences (B.Sc. Only), amend clause a) to read as follows:

"a) Six credit hours in first–year English ... Earth Sciences 1000 and 1002, Mathematics 1000 ..."

Page 225, following the heading Earth Sciences/Chemistry Joint Honours, amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, Chemistry 1050 ..."

Amend clause b) to read as follows:

"b) Earth Sciences 2030, 2031, 2310, 2400, 2502, 3053 (or 3054 or 3055), 3400 (or 2401), 3600, 3701, 4901; at ..."

Insert new clause h) immediately after clause g) as follows:

"h) Other courses to complete the prescribed minimum of 135 credit hours."

Page 225, following the heading Joint Honours in Earth Sciences/Physics, amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, Chemistry 1010 ..."

Amend clause b) to read as follows:

"b) Earth Sciences 2030, 2031, 2310, 2400, 2502, 3170, 3172, 3400 (or 2401), 4105, 4171, 4173, 4179, 499A/B."

Page 226, following the heading Joint Honours in Geophysics and Physical Oceanography, amend the opening line to read as follows:

"The programme requires the following courses:"

Amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, Physics 1050 ..."

Insert new clause f) immediately following clause e) as follows:

"f) Other courses to complete the prescribed minimum of 120 credit hours."

Page 228, following the heading Joint Major in Earth Sciences/Physics, amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, Chemistry 1010 ..."

Amend clause b) to read as follows:

"b) Earth Sciences 2030, 2031, 2310, 2400, 2502, 3170, 3172, 3400 (or 2401), plus a three ..."

Page 235, following the heading Course List, amend the prerequisite for Biology 2120 to read as follows:

"Prerequisites: Earth Science major; Earth Sciences 1001 or 1002 or permission of the Head of Department."

Page 245, following the heading Earth Sciences, subheading Programmes in Earth Sciences, delete the entries under "120 credit hour programmes and 135 credit hour programmes" and replace with the following:

"120 credit hour programmes

- Honours or General degrees in Earth Sciences
- Joint Honours in Earth Sciences/Physics
- Joint Honours in Geography/Earth Sciences
- Joint Honours in Geophysics/Physical Oceanography
- Joint Major in Earth Sciences/Physics

135 credit hour programmes

- Joint Honours in Biology and Earth Sciences
- Joint Honours in Earth Sciences/Chemistry"

Following the heading Entrance Requirements, insert the following new paragraph at the end of this section:

"Students will not normally be permitted entry to 3000-level (or above) Earth Sciences courses without having completed all 1000-level courses listed in the COMMON BLOCK OF REQUIRED COURSES specified in point a) in the 'Major Programmes in Earth Sciences'."

Following the heading Minor in Earth Sciences, amend clause a) to read as follows:

"a) Earth Sciences 1000, 1002, 2030, 2031, 2310."

Amend clause b) to read as follows:

"b) Nine credit hours chosen from Earth Sciences courses 2400, 2502, 3053*, 3054*, 3055*, 3170, 3172, 3179, 3210, 3400 (or 2401), 3600, ...

*NOTE: See credit restrictions listed with the description for these courses."

Following the heading Major Programmes in Earth Sciences, (Common Block of Required Courses), amend clause a) to read as follows:

"a) English 1080 and ... Earth Sciences 1000 and 1002, one of Chemistry 1010 or 1050 (or equivalent) and one of Chemistry 1011 or 1051 (or equivalent), Physics 1050* and 1054*."

Following the heading Honours B.Sc. Degree in Earth Sciences, amend clause f) to read as follows:

"f) Thirty–six additional credit hours from Earth Sciences courses, of which at least thirty credit hours must be from courses at the 3000 and/or 4000 levels with a minimum of twelve credit hours from courses at the 4000–level. Credit hours from ..."

Amend clause g) to read as follows:

"g) Twelve credit hours from ... Earth Sciences course. Biology 3811 and the former Physics 2050 are excluded."

Following the heading General B.Sc. Degree in Earth Sciences, amend clause e) to read as follows:

"e) Twenty–seven additional credit hours from Earth Sciences courses, of which at least twenty–four credit hours must be from courses at the 3000 and/or 4000 levels with a minimum of

nine credit hours from courses at the 4000-level. Credit hours from ..."

Amend clause f) to read as follows:

"f) Twelve credit hours from ... Earth Sciences courses. Biology 3811 and the former Physics 2050 are excluded."

Following the heading Table of Credit Restrictions for Present Earth Sciences Courses with Former Courses, delete the paragraph immediately following this heading in its entirety and insert the following courses under the appropriate column headings:

PRESENT FORMER EQUIVALENTS
ES 2401 ES 3400, ES 3120, GEOL 3120
ES 3054 ES 2503 and ES 3053
ES 3055 ES 2503 and ES 3053"

Page 247, following the heading General Notes for all Earth Sciences Programmes and Courses, amend NOTE 2) to read as follows:

"2) Students wishing to take some Earth Sciences courses ... with the Head of Department (or delegate) to determine the courses ..."

Delete NOTE 4) in its entirety and replace with the following:

"4) Courses 2310, 3400 and 3701 have compulsory field components held immediately before the first week of the fall semester. The field components for courses 3400 and 3701 are integrated into a single field school. Additional field experience is available to students who enroll in Earth Sciences 2402 and 4905. The field component for course 2310, the integrated field school at third-year level, and the field courses 2402 and 4905 each require payment of a participation fee to cover costs for logistics and equipment. Students who intend to participate in field components or the field courses 2402 and 4905 must consult with the instructors (or delegate) for details. Registration for these courses will be by application only and may be competitive."

Add new NOTE 7) as follows:

"7) At most six credit hours in courses at the 1000-level can be used towards the course requirements in Earth Sciences for the Major, Minor, Joint Major, Honours or Joint Honours."

Page 247, following the heading Course List, amend the prerequisites for 2030 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1011 (or 1051 or equivalent), Physics 1054 or Physics 1021 ..."

Amend the prerequisites for 2310 and add a new NOTE 3) as follows:

"Prerequisites: Earth Sciences 1001* or 1002, Mathematics 1000, ... Head of Department or Delegate.

NOTES: 1) This course ... Earth Sciences 2300.

2) ...

3) Beginning the calendar year 2002–2003, Earth Sciences 1001 will not be accepted as the prerequisite."

Amend the prerequisite for 2311 to read as follows:

"Prerequisites: Earth Sciences 2310 and 6 credit hours in English."

Amend the prerequisites for 2400 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1011 or 1051 or equivalent, Mathematics ..."

Amend the prerequisites for 2502 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1011 (or 1051 or equivalent)."

Delete the calendar entry for the course 2503. Geochemistry of Earth Materials II (W)., in its entirety.

Amend the prerequisites and NOTE for 3053 to read as follows:

"Prerequisites: Earth Sciences 2031; and Earth Sciences 2502 or Chemistry 2300.

NOTE: Credit may ... 3051 and 3052. This course will be offered for the last time during the fall semester of the 2001–2002 calendar year and, together with the former 2503, will be replaced by 3054 and 3055 during the 2002–2003 calendar year."

Insert new NOTE for 3400 as follows:

"NOTE: This course, to be replaced by Earth Sciences 2401, will be offered for the last time during the Fall semester of the 2001–2002 calendar year."

Amend the course description for 3600 to read as follows:

"The application of basic ... the effects of contaminants on global change."

Amend the prerequisites for 3611 to read as follows:

"Prerequisites: Mathematics 1001 or permission of instructor."

Insert new NOTE for 3701 as follows:

"NOTE: Beginning the 2002–2003 calendar year, Earth Sciences 2402 or the former 3400 will be a prerequisite for this course."

Amend the prerequisites and add a new NOTE 2) for 3811 to read as follows:

"Prerequisites: EITHER Biology 2120 or Biology 1001 and 1002 and Earth Sciences 1001* or 1002; OR Biology 2122 and 2210.

NOTES: 1) Credit may not

2) Beginning the 2003–2004 calendar year, Earth Sciences 1001 will not be accepted as a prerequisite."

Delete the current prerequisites for 4053 and replace with the following:

"Prerequisites: Earth Sciences 3400 or 2401; and EITHER Earth Sciences 3054 OR Earth Sciences 3053 and the former 2503."

Delete the current prerequisites for 4054 and replace with the following:

"Prerequisites: Earth Sciences 3400 or 2401; and EITHER Earth Sciences 3055 OR Earth Sciences 3053 and the former 2503."

Delete the current prerequisites for 4173 and replace with the following:

"Prerequisites: Earth Sciences 3170 or 3172; and Earth Sciences 4179."

Delete the current prerequisites for 4211 and replace with the following:

"Prerequisites: Earth Sciences 3210; and Earth Sciences 3054 or 3055 or the former 2503."

Delete the current prerequisites for 4302 and replace with the following:

"Prerequisites: Earth Sciences 1001 or 1002 and completion of any 15 credit hours in core courses at the 3000 and/or 4000 levels (see General ..."

Delete the current prerequisites for 4400 and replace with the following:

"Prerequisites: EITHER Earth Sciences 3400 OR Earth Sciences 2401 and 2402."

Delete the current prerequisites for 4502 and replace with the following:

"Prerequisites: Earth Sciences 3600; and EITHER Earth Sciences 3053 and the former 2503 OR Earth Sciences 3054 and 3055."

Delete the current course description for 4503 and replace with the following:

"An examination of the application of geochemistry to mineral exploration, covering: the lithochemical characteristics of ore deposits, their host rocks, and element dispersion from them; the principles of sampling and analysis in exploration geochemistry; approaches to the statistical analysis, graphical presentation, and interpretation of survey results; and the design of effective geochemical surveys. Particular emphasis will be placed on case studies relevant to exploration in Newfoundland and Labrador. Laboratory/seminar sessions involve working with exemplary data sets, using computer-based software for statistical analysis and software for searching large databases and viewing the spatial relationships of different types of map data relevant to the mineral exploration industry.

Prerequisite: Earth Sciences 3210."

Delete the current prerequisites for 4601 and replace with the following:

"Prerequisites: Earth Sciences 3701; and Earth Sciences 3170 or 3172."

Delete the current course description for 4700 and replace with the following:

"A detailed examination of recent siliciclastic sedimentary environments, their associated facies models, and application of this knowledge to understanding the origin and character of sandstone hydrocarbon reservoirs. Laboratories consist of several full-day field exercises in Proterozoic and Paleozoic rocks of the Avalon Peninsula, and core studies of reservoir facies in the Mesozoic Jeanne d'Arc Basin of the Grand Banks."

Delete the current prerequisites for 4901 and replace with the following:

"Prerequisites: Earth Sciences 3053 or 3054 or 3055; and Earth Sciences 3701; and Earth Sciences 2401 or 3400."

Amend the prerequisites for 4902 to read as follows:

"Prerequisites: Earth Sciences 1000 and completion of any 15 credit hours in core courses at the 3000 and/or 4000 levels (see General ..."

Amend the prerequisites for 4903 to read as follows:

"Prerequisites: Earth Sciences 1001 or 1002, Biology 2120 or Biology 1001 and 1002 and completion of any 15 credit hours in core courses at the 3000 and/or 4000 levels (see General ..."

Delete the current prerequisites for 4905 and replace with the following:

"Prerequisites: Earth Sciences 3053 or 3055; and Earth Sciences 3400 or 2401 and 2402; and Earth Sciences 3701."

52.26 Department of Geography

Page 250, following the heading Geography, immediately following the sentence "For Departmental Regulations ... section of the Calendar", insert the following:

"PROGRAMMES IN GEOGRAPHY

The following undergraduate programmes are available in the Department:

Major in Geography (B.A., B.Sc)

Honours in Geography (B.A., B.Sc)

Minor in Geography (B.A., B.Sc)

Joint Major in Geography and computer Science (B.Sc only)

only) Joint Honours in Geography and Computer Science (B.Sc

Joint Honours in Geography and Earth Science (B.Sc only)"

52.27 Department of Psychology

Page 261, delete the section Regulations for the Diploma in Behaviour Modification with Problem Children, in its entirety.

Page 259, following the subheading Programmes in Psychology, delete the following entry:

"-Diploma in Behaviour Modification with Problem Children"

Page 261, following the heading Course Descriptions, delete in its entirety the entry for Psychology 460X.

Amend the course description for Psychology 4640 by deleting the NOTE in its entirety.

Delete the prerequisite for Psychology 3100 and replace with the following:

"Prerequisite: Psychology 2900"

Re-number Psychology 2160 as 3160 and reposition in the appropriate place. Also, delete the current NOTE and replace with the following:

"NOTE: Credit may not be obtained for both Psychology 3160 and any of the following: Psychology 2120, the former Psychology 2101, the former Psychology 2160."

Page 260, following the subheading Requirements for a Major in Psychology, amend clause 1)b), "Social: 2160 or 3100" to read as follows:

"Social: 3160 or 3100"

Page 260, following the subheading Requirements for a Major in Behavioural Neuroscience (B.Sc. Only), amend clause 1)d), "-Social: 2160 or 3100" to read as follows:

"-Social: 3160 or 3100"

Page 261, following the heading Course Descriptions, delete the current NOTE for Psychology 2120 and replace with the following:

"NOTE: Credit may not be obtained for both Psychology 2120 and any of the following: Psychology 3160, Psychology 2125, the former Psychology 2101, the former Psychology 2160."

Delete the prerequisites for Psychology 4150, 4151 and 4152 and replace with the following:

"Prerequisite: Psychology 3100 or 3160."

52.28 Department of Mathematics and Statistics

Page 252, following the heading Applied Mathematics Courses, amend the semester notations for the following courses as follows:

"2120 from (F)(W) to (F)

2130 from (F)(W) to (W)

3202 from (F) to (F)(W) (3202 appears also on page 254)

4160 from (W) to (F)"

Delete the current course description for 1050 and replace with the following:

"Topics covered include sets, logic, permutations, combinations and elementary probability."

52.29 School of Pharmacy

Page 358, following the heading Course Descriptions, subheading Second Year of Pharmacy Studies, delete the current calendar entry for 401W in its entirety and replace with the following:

"Pharmacy 401W (F). Non-credit course. This course consists of seminars given by students, and occasional visiting speakers, on pharmacy related topics. The final grade of Pass with Distinction, Pass or Fail is based on performance, attendance and participation. Attendance is required."

Delete the current calendar entry for 402W in its entirety and replace with the following:

"Pharmacy 402W (W). Non-credit course. This course consists of seminars given by students, and occasional visiting speakers, on pharmacy related topics. The final grade of Pass with Distinction, Pass or Fail is based on performance, attendance and participation. Attendance is required."

Amend the course description for 4104 to read as follows:

"Lectures: Three hours per week.

Tutorials: Two hours per week."

Page 358, following the heading Course Descriptions, subheading Third Year of Pharmacy Studies, amend the course description for 5104 to read as follows:

"Lectures: Seven hours per week.

Tutorials: Two hours per week."

Delete and replace the current course description for 5005 in its entirety and replace with the following:

"Pharmacy 5005. Communication & Patient Counselling (F) (1 cr. hr.). This course focuses on the elements of effective interviewing and communication with patients, both written and verbal. Special approaches to selected patient populations will be

discussed. Communication sessions are intended to develop self-confidence and interpersonal communication skills.

Lectures/Communication sessions: Two hours per week for six weeks."

Delete and replace the current course description for 501W in its entirety and replace with the following:

"Pharmacy 501W. Non-credit course (F). This course consists of seminars given by students, and occasional visiting speakers, on pharmacy related topics. The final grade of Pass with Distinction, Pass or Fail is based on performance, attendance and participation. Attendance is required."

Following consideration of the Report of the Senate Committee on Undergraduate Studies, the President, on behalf of Senate, thanked the Committee for the important work that they do.

53. Report of the Senate Committee on Undergraduate Studies/Academic Council of the School of Graduate Courses – Department of Physics

Page 261, following the heading Course Descriptions, as the last entry in the Physics course listings, insert the following:

"6317. Underwater Acoustics. Basic theory of sound, sound in the ocean environment, wave equation, ray tracing, sonar system operation, transducers, applications.

Prerequisites: Physics 3810 (or AM/PM 3220) and 3220, or the permission of the instructor.

Lectures: Three hours per week.

6318. Ocean Climate Modelling. Numerical techniques, finite difference, finite element and spectral methods. Introduction to the climate system. Ocean climate models. Box models. Variability on interdecadal, centennial and geological scales. Zonally averaged models. 3-D ocean modelling. Thermohaline circulation. General circulation models. Climate modelling and global warming.

Prerequisites: P3810 (or AM/PM 3202), P3300 and the completion of any 15 credit hours in core courses at the 3000 or 4000 level in the Faculty of Science, or the permission of the instructor.

Lectures: Three hours per week."

54. Report of the Academic Council of the School of Graduate Studies

54.1 Department of Sociology

Page 463, following the heading Sociology, subheading Master of Arts, delete clauses 2 and 3 and replace with the following:

"2. The M.A. degree with thesis requires the completion of 12 credit hours in graduate courses, normally including the Graduate Seminar (6880) and Methods of Sociological Research (6040), and a thesis. In the case of full-time students, the M.A. with thesis is normally completed in two years. The first year is devoted to the completion of the required courses and the definition of the thesis research topic. The second year is devoted to the completion of the thesis.

3. The M.A. degree by course work requires the completion of 24-credit hours, normally including the Graduate Seminar (6880), Methods of Sociological Research (6040), Social Theory (6150), Master's Research Paper (6900) and three electives. These courses should be taken during the first two semesters of full-time study. The research paper (Sociology 6900) will be supervised by a faculty member and must be presented at a departmental seminar. The supervisor and one other member of department will grade the paper. The research paper should be written in the third semester of full-time study."

New Course

"6900. Master's Research Paper"

54.2 Department of French and Spanish

Amendments to calendar changes regarding Master of Arts approved by Senate June 13, 2000.

Following the heading French and Spanish, amend clause 3.a) to read as follows:

"3.a) The programme for a Master of Arts (thesis option) will consist of fifteen credit hours in graduate courses, plus ... "

Amend clause 3.b) to read as follows:

"b) The programme for a Master of Arts (non-thesis) will consist of twenty-four credit hours in graduate courses."

Amend clause 4. to read as follows:

"4. All candidates shall complete
a) Research Seminar – French 6006
b) a minimum of 3 credit hours from courses listed in the "Methods Series";
c) a minimum of 3 credit hours from courses listed in the "Corpus Series"."

Immediately following the sub-heading Courses, insert the following:

"6006. Research Seminar"

Following the heading Français, amend clause 3.a) to read as follows:

"3.a) Le programme de Maîtrise ès Arts (option mémoire) comprendra un minimum de quinze heures de crédit au niveau maîtrise; des ..."

Amend clause 3.b) to read as follows:

"3.b) Le programme de Maîtrise ès Arts (sans mémoire) comprendra un minimum de vingt-quatre heures de crédit au niveau maîtrise."

Amend clause 4. to read as follows:

- "4. Tout programme comprendra
- a) Séminaire de recherche – français 6006
 - b) un minimum de 3 heures de crédit de la série "Méthodes";
 - c) un minimum de 3 heures de crédit de la série "Corpus". "

Immediately following the subheading Cours, insert the following:

"6006. Séminaire de recherche"

54.3 Women's Studies Programme

Page 497, immediately following the heading Regulations Governing the Degree of Master of Women's Studies, delete everything up to the first paragraph and replace with the following:

"Women's Studies Graduate Committee

Dr. Elizabeth Yeoman (Education) – Graduate Coordinator

Dr. Roberta Hammett (Education)

Dr. Phyllis Artiss (English)

Dr. Rosonna Tite (Education) – Coordinator (ex officio)

Leah Thompson (Graduate Student Representative)"

Immediately following the first paragraph, amend the first objective to read as follows:

"to provide students with advanced courses ... particularly in Women's Studies theories and methods;"

Page 498, immediately preceding the heading Master of Women's Studies Degree, delete the paragraph and replace with the following:

"The Graduate Coordinator, on behalf of the Women's Studies Graduate Committee, makes recommendations to the Dean

of Graduate Studies concerning admission, and financial support for students, and administers all other matters pertaining to the graduate programme."

Immediately following the heading Master of Women's Studies Degree, amend the introductory paragraph to read as follows:

"The degree of Master of Women's studies is offered by full or part-time study. Candidates may choose a thesis or non-thesis (project or internship) programme. The programme draws ..."

Following the subheading A) Qualifications for Admission, change the numbering of clauses i) and ii) into 1) and 2), and amend clause 2) to read as follows:

"2) Applicants who do not hold an honours degree, or do not have an adequate background in Women's Studies, may be required to complete one or more undergraduate course(s), the nature and number of which will be determined by the Women's Studies Graduate committee. These undergraduate courses may be taken before admission to the graduate programme or during a student's first semester in the programme. Candidates will be required to complete such courses with a minimum overall 'B' average."

Following the subheading B) Programme of Study, delete clauses i.a), ii), iii.b) and iv) in their entirety.

Re-number clause i.b) as 1. and amend to read as follows:

"1. Upon admission each graduate student on the thesis programme will be assigned two supervisors from different disciplinary units. For students selecting the non-thesis option, one supervisor will be assigned."

Re-number clause iii.a) as 2. and amend to read as follows:

"2. All candidates are required ... 6200, and 6300."

Re-number clause iii.b) as 3. and amend as follows:

"3. Three to nine additional elective credit hours approved by the Women's Studies Graduate Committee and the student's supervisor(s) will be required. These elective credit hours will comprise courses selected from graduate courses in cognate academic units, and/or Women's Studies 6380, 6500, and/or from the block of special topics courses in Women's Studies WSTD 6400–6409."

Insert new clause 4. as follows:

"4. Each student will be required to give a public seminar on her/his thesis research, project, or internship before submission of her/his work."

Immediately preceding the heading Courses, insert the following three new sections:

"C. Thesis

1. Candidates for the degree of Master of Women's Studies (thesis option) will be required to complete a minimum of 15 credit hours. Candidates will also be required to complete a thesis.

2. A thesis proposal, approved by the student's supervisors, will be presented to the Women's Studies Graduate Committee for its approval. The thesis proposal must normally be approved by the Women's Studies Graduate Committee no later than the end of the candidate's third semester in the programme.

3. The thesis will be evaluated in accordance with the procedures outlined in General Regulation J. of the School of Graduate Studies.

D. Project

1. Candidates for the degree of Master of Women's Studies (project option) will be required to complete a minimum of 18 credit hours. Candidates will also be required to complete a project.

2. The Master's project, must be interdisciplinary in nature and aimed at linking theoretical and practical knowledge: by recognizing and articulating a problem to which Women's Studies

knowledge can be applied; by developing and justifying practical approaches which seek to resolve the problem; and by creating a product that could be implemented in the community. The project report should consist of the project (e.g., a CD-ROM; a computer project; a manual or guidebook; a kit of learning resources; photographs; audio or videotape, etc.) as well as a literature-based rationale, theoretical basis and justification for its use. The length of the written portion of the project should be 50–70 pages. Regardless of the form that the project takes (e.g., a CD-ROM; a computer program; a manual or guidebook; a kit of learning resources; photographs; audio or videotape, etc.), there must be a written project report.

3. A project proposal, approved by the student's supervisors, will be presented to the Women's Studies Graduate Committee for its approval. The project proposal must normally be approved by the Women's Studies Graduate Committee no later than the end of the candidate's third semester in the programme.

4. The project will be evaluated in accordance with procedures outlined in General Regulation J. of the School of Graduate Studies.

E. Internship

1. Candidates for the degree of Master of Women's Studies (internship option) will complete a minimum of 18 credit hours. Candidates will also be required to complete an internship.

2. Internship placements shall be for one semester. Part-time internships of two semesters will require approval from the proposed agency or institution and the Women's Studies Graduate Studies Committee.

3. Students, in consultation with their supervisors and the Women's Studies Graduate Coordinator, will explore internship options and locate an eligible person to provide field instruction during their internship. Although consideration will be given to all factors affecting the location and type of all Women's Studies internships, the final decision regarding internship rests with the Women's Studies Programme and the Dean of Graduate Studies.

Factors affecting the type and location of the internship include: the number of immersion hours per week; the extent to which the intern takes up a trainee, supervisory and/or research role and whether the intern would be working directly or indirectly with clients of the agency or institution.

Each internship shall be supervised by a Supervisory Committee of at least three members, including the candidate's supervisor, the field supervisor, and Women's Studies Graduate Coordinator or her/his delegate.

The Supervisory Committee will meet with the intern and field instructor at least once during the internship period to make an assessment of the nature and quality of the intern's progress, and to approve any modifications to the internship.

4. The internship proposal, approved by the student's supervisors, will be presented to the Women's Studies Graduate Committee for its approval. The proposal must normally be approved by the Women's Studies Graduate Committee no later than the end of the candidate's third semester in the programme.

5. Regardless of the form that the internship takes, there must be a written internship report (35–50 pages). When the candidate completes the internship report, the Supervisory Committee will recommend to the Dean of Graduate Studies a grade of pass or fail. A candidate will be permitted to submit an internship report only after the Committee has determined that the internship placement has been fully completed.

Should the Women's Studies Coordinator, on the recommendation of the Supervisory Committee, terminate the internship prior to its completion, it may recommend to the Dean of Graduate Studies one of the following:

- a) submission of a new internship proposal for a different field setting (once only);
- b) selection of the thesis or project option;
- c) termination of the student's programme."

Following the heading Courses, insert the following:

"6300. Feminism as Community"

54.4 Department of Mathematics and Statistics

Page 453, following the heading Regulations Governing the Degree of Master of Applied Statistics, subheading Courses, delete the list of courses in its entirety and replace with the following:

"6100. Dynamical Systems

6101. Modern Perturbation Theory

6102–6109. Special Topics in Applied Mathematics

6212. Numerical Methods for Initial Value Problems

6201. Numerical Methods for Partial Differential Equations

6202–6209. Special Topics in Numerical Analysis

6300. Algebraic Topology I (Homology Theory)

6301. Algebraic Topology II (Homotopy Theory)

6302. Algebraic Topology III (Theory of Fibre Bundles)

6332. Point Set Topology

6304–6309. Special Topics in Topology

6310. Functional Analysis

6311. Complex Analysis

6312. Measure Theory

6313–6319. Special Topics in Analysis

6320. Group Theory

6321. Ring Theory

6322. Nonassociative Algebra

6323. Homological Algebra

6324–6329. Special Topics in Algebra

6330. Analytic Number Theory

6331. Algebraic Number Theory

6340. Graph Theory

6341. Combinatorial Design Theory

6342. Advanced Enumeration

6343–6349. Special Topics in Combinatorics

6503. Stochastic Processes

6510. Mathematical Statistics

6520. Linear Models

6560. Continuous Multivariate Analysis

6561. Discrete Multivariate Analysis

6580–6589. Selected Topics in Statistics and Probability

6590. A Course in Statistical Consulting"

Page 491, following the heading Mathematics and Statistics, subheading Courses, delete the list of courses in its entirety and replace with the following:

"6100. Dynamical Systems
6101. Modern Perturbation Theory
6102–6109. Special Topics in Applied Mathematics
6212. Numerical Methods for Initial Value Problems
6201. Numerical Methods for Partial Differential Equations
6202–6209. Special Topics in Numerical Analysis
6300. Algebraic Topology I (Homology Theory)
6301. Algebraic Topology II (Homotopy Theory)
6302. Algebraic Topology III (Theory of Fibre Bundles)
6332. Point Set Topology
6304–6309. Special Topics in Topology
6310. Functional Analysis
6311. Complex Analysis
6312. Measure Theory
6313–6319. Special Topics in Analysis
6320. Group Theory
6321. Ring Theory
6322. Nonassociative Algebra
6323. Homological Algebra
6324–6329. Special Topics in Algebra
6330. Analytic Number Theory
6331. Algebraic Number Theory
6340. Graph Theory
6341. Combinatorial Design Theory
6342. Advanced Enumeration
6343–6349. Special Topics in Combinatorics
6503. Stochastic Processes
6510. Mathematical Statistics
6520. Linear Models
6560. Continuous Multivariate Analysis
6561. Discrete Multivariate Analysis
6580–6589. Selected Topics in Statistics and Probability
6590. A Course in Statistical Consulting"

Page 509, following the heading Mathematics and Statistics, subheading Courses, delete the list of courses in its entirety and replace with the following:

"6100. Dynamical Systems
6101. Modern Perturbation Theory
6102–6109. Special Topics in Applied Mathematics
6212. Numerical Methods for Initial Value Problems
6201. Numerical Methods for Partial Differential Equations
6202–6209. Special Topics in Numerical Analysis
6300. Algebraic Topology I (Homology Theory)
6301. Algebraic Topology II (Homotopy Theory)
6302. Algebraic Topology III (Theory of Fibre Bundles)
6332. Point Set Topology
6304–6309. Special Topics in Topology
6310. Functional Analysis
6311. Complex Analysis
6312. Measure Theory
6313–6319. Special Topics in Analysis
6320. Group Theory
6321. Ring Theory
6322. Nonassociative Algebra
6323. Homological Algebra
6324–6329. Special Topics in Algebra
6330. Analytic Number Theory
6331. Algebraic Number Theory
6340. Graph Theory
6341. Combinatorial Design Theory
6342. Advanced Enumeration
6343–6349. Special Topics in Combinatorics
6503. Stochastic Processes
6510. Mathematical Statistics
6520. Linear Models
6560. Continuous Multivariate Analysis
6561. Discrete Multivariate Analysis
6580–6589. Selected Topics in Statistics and Probability
6590. A Course in Statistical Consulting"

54.5 Department of Chemistry

Page 486, following the heading Chemistry, amend as follows:

"Associate Professor and Head of the Department

H. Clase

1. The degree of Master of Science in Chemistry is offered as full-time or part-time study."

Amend clause 1b) to read as follows:

"b) Students holding a B.Sc. degree in Chemistry ... programme. Students not admissible under 1.a. may, on the advice of the ..."

Transfer the section Courses from p.487 in its entirety to immediately precede the subheading Instrumental Analysis,

Following the subheading Courses, delete the entries for 6100 and 6101 in their entirety, and amend the entry for 6151 to read as follows:

"6151. Analytical Separations and Organic Mass Spectrometry"

Following the subheading Instrumental Analysis, insert new heading D. Required Courses, as follows:

"D. Required Courses

6004. Project Seminar

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)

6160. Laboratory Projects in Sampling, Electroanalysis and Trace Analysis

6161. Laboratory Projects in Analytical Separations and Spectroscopic Techniques"

Page 501, following the heading Chemistry, amend as follows:

"Associate Professor and Head of the Department
H. Clase"

Amend the second paragraph to read as follows;

"A Master's degree in Chemistry ... minimum of three semesters may request transfer into a Ph.D. programme. The transfer should be supported by the Supervisor and the Supervisory Committee and subsequent to satisfactory..."

Following the subheading Courses, delete the following:

"6100. Analytical Chemistry I

6101. Analytical Chemistry II"

Insert the following:

"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)"

54.6 School of Nursing

Page 477, following the heading Regulations Governing the Degree of Master of Nursing, subheading B) Qualifications for Admission, amend clause 3 to read as follows:

"3. Applicants are also required ... course, and a statistics course normally within the last 5 years such as Statistics 2500 or Education 2900 or their equivalents."

55. Remarks from the Chair – Questions/Comments from Senators

The President made the following remarks for the information of Senate:

Meetings/Reports

* The President advised that he and Dr. Simpson had just recently attended meetings of the Harlow Board of Trustees. The two primary initiatives of these meetings were the proposed introduction of a minor programme in European Studies and renovations to the physical facilities. Dr. Meisen commented that new initiatives are needed to ensure that the Harlow campus is valued and used to its fullest extent. Improved physical facilities will be more suitable for students' connectivity and will also provide suitable space for meetings between academic terms, such as professional workshops and retreats.

* The President reported that in his annual address to the Rotary Club, he spoke about the development of the University over the past twelve months focusing not only on the achievements of the University, but also on the challenges which have been and continue to be encountered.

* The President advised that his annual report will shortly be released. This year the report will be presented as a pamphlet in a minimum printed form, but will be accompanied by a compact disc which will provide comprehensive information on financial statements, academic achievements by faculty and students, video clips, and sound tracks from the School of Music. He commented that the Division of University Relations has been working hard to

find a better way in which to give a modern portrayal of the University than can be provided in the usual insert in the Gazette.

* The President noted his attendance as an observer at the recent local Liberal leadership convention. He advised that the Chair of the Board of Regents wrote to all three major parties requesting that the University President be permitted to attend their conventions as a neutral observer. As a result of his attendance there, the President advised that he gained a fair degree of insight into what is being said about the University, and learned that there is considerable support from both large and small communities.

Initiatives of an Academic Nature

The President advised that:

* Dean Blake has prepared a preliminary framework report on internationalization at Memorial which will be brought to Senate for discussion in due course.

* A committee has been appointed to examine the expansion of cooperative education at Memorial. The Committee is looking in a general way at getting more job experience initiatives in an effort to enrich the academic experience and to help students minimize their debt load.

* The Atlantic Investment Partnership will soon be announcing its advisory board at which time Memorial will be in a position to decide which of its strategic proposals will fit well in the framework put forward.

* The School of Continuing Education has produced a draft of a five year Strategic Plan for the School.

Outlook

* The President noted that the Province now has a new premier and a newly appointed cabinet, including Ms. Sandra Kelly,

Minister of Youth Services and Post Secondary Education, and Ms. Julie Bettney, Minister of Health. He commented that both of these and other ministers are well known to the University and have good working contacts with the institution..

* The President remarked that at the leadership convention he had the opportunity to speak privately to the Premier about a number of issues facing the University, in particular the issue of fees reduction. He noted that while such a move would have major consequences for the University, he is guardedly optimistic about Memorial's future and future budget allocations. The President also noted that the Board of Regents, and the Chair of the Board in particular, have been valuable in helping him, as a newcomer to the province, to establish good working relationships with government.

OTHER BUSINESS

56. Report of the Committee on Committees

On behalf of the Committee on Committees, Dr. Saha presented the Report of the Committee on Committees and moved that the following appointments to standing committees recommended by the Committee be approved. The motion was seconded by Dr. Brosnan and carried.

University Planning and Budget Committee

Azizur Rahman (Engineering)

John Ashton (Sir Wilfred Grenfell College)
Member until September

2002

2001 (Senator)
Committee on Honorary Degrees and Ceremonial

Phyllis Artiss (English)

2001
Committee on Educational Technology

Corinne Breen (Marine Institute)

2002

57 ADJOURNMENT

The meeting adjourned at 4:55 p.m.