

SENATE MINUTES

The regular meeting of Senate was held on Tuesday, February 8, 2000, at 4:00 p.m. in Room E5004.

52. PRESENT

The President, Dr. E. Simpson, Dr. K. Keough, Prof. A. Fowler, Dean I. Bowmer, Mr. G. Collins, Acting Dean C. Doyle, Dr. E. Dow, Mr. R. Ellis, Dr. C. Higgs, Dean G. Kealey, Acting Dean C. Leonard, Dean R. Lucas, Dean T. Murphy, Dr. C. Orchard, Dr. P. Fisher for Mr. L. O'Reilly, Dean R. Seshadri, Dr. M. Volk, Prof. H. Weir, Dr. R. Adamec, Dr. J. Ashton, Prof. P. Ayres, Dr. G. Bassler, Dr. J. Bear, Dr. G. Clark, Prof. M. Coyne, Dr. J. deBruyn, Mrs. C. Dutton, Dr. J. Finney-Crawley, Dr. V. Gadag, Dr. S. Ghazala, Dr. D. Goldstein, Mr. D. Howse, Dr. H. Hulan, Dr. M. Kara, Prof. K. Knowles, Prof. V. Kuester, Dr. M. Laryea, Dr. V. Maxwell, Dr. D. McKay, Dr. J. McLean, Dr. M. Mulligan, Dr. H. Pike, Dr. D. Rideout, Dr. G. Sabin, Dr. W. Schipper, Dr. C. Sharpe, Dr. D. Treslan, Dr. D. Tulett, Dr. R. Venkatesan, Prof. D. Walsh, Mr. B. Whitelaw, Dr. P. Wilson, Mr. D. Newton, Ms. L. Borden, Mr. K. Dunne, Ms. N. Oldford, Ms. T. Pearce, Ms. N. Pike.

53. APOLOGIES FOR ABSENCE

Apologies were received from Dr. C. Loomis, Dr. D. Craig, Dr. J. Evans, Dr. W. Locke, Dr. S. Saha, Dr. B. Watson.

54. MINUTES

The minutes of the regular and special meetings held on December 14, 1999 were taken as read and confirmed with the following amendment which will be incorporated in the official copy of the Minutes:

Page 74, item 48.3 Department of German and Russian, amend the last paragraph to read as follows:

"A vote was then taken on the motion to table and the procedural motion was CARRIED."

BUSINESS ARISING FROM THE MINUTES

55. REPORT OF THE COMMITTEE ON HONORARY DEGREES AND CEREMONIAL

At the January 11, 2000 meeting a memorandum was circulated to Senators stating that fifteen nominations for the award of honorary degrees as recommended by the Committee and Ceremonial were attached. The President advised Senators that following the meeting it was realized that only fourteen of the fifteen nominations were included and that at a meeting of the Committee on Honorary Degrees and Ceremonial held today, it was agreed to request Senate to consider the remaining nomination. The Chairman asked Senate if it was willing to consider the nomination at this time. The consensus of Senate was that the nomination should be considered.

The name of the candidate recommended by the Committee on Honorary Degrees and Ceremonial was then presented to the Senate for awarding of doctoral degrees honoris causa. Members were given the opportunity to discuss the merits of the candidates before voting. Prior to voting on this nomination, Dr. McKay suggested that Senate should depart from usual voting procedure as outlined in clause 6. Honorary Degrees–Criteria, Procedures, Titles which states "...shall be voted on individually by show of hands and no degree shall be conferred unless the recommendation is given the affirmative vote of at least two thirds of all members present." and that a count be taken of those present and to then call for an affirmative vote. The Chairman stated that he would prefer that the nomination be voted on in the same manner as the previous group of fourteen which were voted on at the January meeting of Senate, but that a change in the voting practice could be considered at a later date. Upon voting by a show of hands, the candidate was approved by at least a two-thirds majority vote.

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:

56. *Report of the Senate Committee on Undergraduate Studies

Professor Fowler noted that the Report of the Senate Committee on Undergraduate Studies contains a number of course or programme changes which have an impact on Sir Wilfred Grenfell College. In

most instances the issues are not substantive and the representatives from the College would be making suggestions for minor amendments.

The Chairman suggested that the changes be flagged at today's meeting and that a joint statement be prepared by the College and the Chair of the Senate Committee on Undergraduate Studies for the next meeting of Senate to show that the issues have been dealt with.

56.1 Faculty of Education

Page 254, 1999–2000 Calendar, following the heading Degree Programmes, and after the item Bachelor of Education (Intermediate/Secondary) add the following:

"Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education"

Page 254, following the heading Regulations for Re–Admission and Advancement, delete the first paragraph and replace with the following:

"These regulations apply to all programmes except the Bachelor of Education (Intermediate/Secondary) and the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education which have separate re–admission and advancement regulations."

Page 255, amend the heading Regulations for Re–Admission and Advancement Bachelor of Education (Intermediate/ Secondary), to read as follows:

"Regulations for Re–Admission and Advancement Bachelor of Education (Intermediate and Secondary) and Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education"

Page 259, following the entry Regulations for the Degree of Bachelor of Education (Intermediate/Secondary) and immediately preceding the heading Bachelor of Music Conjoint with Bachelor of Music Education, insert the following:

"Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education

This Bachelor of Education (Intermediate/Secondary) degree programme is designed to be completed conjoint with the Diploma in Technology Education. Students who have been awarded a first Bachelor's degree in Education wishing to complete the Diploma in Technology Education are directed to the Regulations for the Diploma in Technology Education listed directly following the Regulations for the Diploma in Post-Secondary Education.

General Comment:

The Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education is a programme designed to prepare Intermediate/Secondary School and Technology Education teachers. Technology Education is a specialized subject area within the high school curriculum. Students in the programme will complete a number of laboratory courses that address the development of basic skills and competencies in a variety of technological areas and how to apply them through design and problem solving processes in a school classroom/laboratory setting. All students attend full-time and should graduate in four semesters. This conjoint programme is designed to provide students with an early field experience, a sequenced set of courses prior to a fourteen week internship and a range of courses after the internship to allow students to build on strengths and remedy weaknesses which may have become apparent during the internship.

Admission

1) Applications for admission are considered once a year and for the Spring Semester only. The deadline for submission of Faculty applications to the Registrar's Office is February 1. Consideration will be given to the courses for which students are registered at the time of application.

2) To be considered for admission to the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education programme individuals must have:

a) been awarded a Bachelors Degree from a university recognized by Memorial University;

b) completed thirty–six credit hours in a subject listed under Academic Disciplines in Clause 3 below;

c) achieved an overall average of at least 65% in the courses chosen to meet b) above; and,

c) achieved an overall average of at least 65% in the last 60 successfully completed credit hours.

NOTE: When calculating the average in the thirty–six credit hours required under clause 2)b) above, no more than two 1000–level courses will normally be used. Courses completed from each of the 2000, 3000 and 4000 levels would normally be required.

3) Academic Disciplines are deemed to be the disciplines on the following list. Courses from other disciplines deemed by the Admissions Committee to be equivalent to courses in any of the listed Academic Disciplines will be acceptable. Students wishing to complete an internship in French Immersion must complete Education 4156 and meet the stated prerequisites for that course.

Visual Arts Geography
Biochemistry History
Biology Linguistics
Canadian Studies Mathematics (Pure and Applied
Chemistry Mathematics, Statistics)
Computer Science Newfoundland Studies
Earth Sciences Physical Education*
Economics Physics
English Political Studies
Folklore Religious Studies
French Theatre Arts

*In order to be considered for admission within this Academic Discipline, students must have completed courses in the following areas: Anatomy, Physiology, Motor Learning, Kinesiology, Evaluation and Testing in Physical Education, Primary/Elementary Physical

Education Curriculum and Teaching, Issues and Trends in HPERs and a minimum of 6 activities.

4) Candidates who are registered in their final semester of their first Bachelor's Degree programme during the Winter Semester must have satisfied the academic requirements set out in Clause 2) above upon completion of their first degree programme.

NOTE: Students must supply transcripts indicating Winter Semester grades no later than May 1.

5) In assessing applications to the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education Programme, consideration will be given to the following:

a) student's overall academic performance, in addition to the average on the courses required to be considered for admission;

b) demonstrated competency in written English as prescribed by the Faculty of Education; and,

c) two letters of reference, one of which must be from a student's instructor in the teachable area listed in Clause 2) b), or, in cases where the applicant has been employed during the past two years, from a direct supervisor of the applicant.

6) The Faculty reserves the right to deny admission to a candidate who, in the opinion of the Admissions Committee, is deemed unsuitable for admission to the programme.

7) In special circumstances, the Undergraduate Studies Committee on recommendation from the Admissions Committee may, at its discretion, consider an applicant or group of applicants as an exception to the requirements outlined above.

NOTES: 1) A limited number of programme spaces are allocated to each discipline. Students who are admitted with a particular Academic Discipline and who wish to change to a different Academic Discipline must obtain permission of the Office of Undergraduate Student Services. Such changes may not be possible in particular areas.

2) The Faculty of Education will make every effort to accommodate students. However, they are advised that admission to the programme is dependent on sufficient numbers of students to warrant the offering of applicable methodology courses in those disciplines in any given year.

3) Because of the structured, sequential nature of this programme, students must attend full-time. Students who drop any course which is part of the programme will be dropped from the entire programme.

4) Students who have been admitted to the programme but choose not to attend in the Spring Semester of their year of admission will lose their admission status. Such a student may reapply for admission at a later date, and must submit a new application which will be considered in competition with those of all other applicants.

Regulations for the Degree of Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education

1) A candidate for the degree of Bachelor of Education (Intermediate/Secondary) conjoint with the Diploma in Technology Education shall complete, in addition to the courses required for the prerequisite degree, sixty-six credit hours; including a non-credit field experience, thirty credit hours in Intermediate/Secondary Education, twenty-one credit hours in Technology Education and a fifteen-credit hour internship in a sequence as prescribed by the Programme Plan (see below).

2) The non-credit early field experience shall include a minimum of thirty hours of school visitation during the second semester of the programme.

3) The thirty credit hours in Intermediate/Secondary Education shall include:

a) Eighteen credit hours as follows:

(i) Education 4005, 4260, 4361, 4381, and 4950

(ii) One of the following: Education 4120, 4121, 4142, 4143, 4150 or 4156, 4161, 4168, 4170, 4171, 4180, 4181,

4190, 4203, 4270, 4271. The methodology course must be chosen to match the Academic Discipline under which the student was admitted. Students whose academic discipline is Linguistics are required to do Education 4142. Those whose discipline is Geography are required to do either Education 4180 or 4271. Those whose discipline is Folklore are required to do either Education 4142 or 4180. Those whose area is Social Studies (academic disciplines of Canadian Studies, Economics, Geography, History, Newfoundland Studies, and Political Science) are required to do Education 4180. Those whose discipline is Biochemistry are required to do either Education 4171 or Education 4270.

b) twelve credit hours in electives chosen from (i) through (iv) below so that students complete at least three credit hours from each of (i), (ii) and (iii)

(i) Education 4350, 4352, 4354, 4356, and 4945

(ii) Education 4382, 4420, and 4580

(iii) Education 4240, 4242, and 4261

(iv) Education 2222, 2420, 2900, 3210, 3211, 3255 3290, 3565, 3570, 3571, 3585, 3943, 4144, 4151, 4156, 4163, 4172, 4182, 4204, 4275, 4340, 4425, 4480, 4600 and 4610.

NOTE: Students intending to apply to the Bachelor of Special Education Degree Programme should complete Education 4240, 4242, and one of 4350 or 4352.

4) The twenty-one credit hours in Technology Education shall include:

a) Eighteen credit hours as follows: Education 2711, 2750, 2751, 3750, 3751, 4752

b) Three credit hours chosen from Education 4750 or 4751

Programme Plan

*SEMESTER 1 (Spring)

Week 0 15

Education 2711 (Course Organization and Development in Technology Education)
Education 2750 (Introductory Design and Materials Processes)
Education 2751 (Introductory Communications and Power Technology)
Education 3750 (Intermediate Design and Materials Processing Technology)
Education 3751 (Integrated Communications and Power Technology)

*Courses may be offered in the Spring, Intersession and/or Summer Sessions.

**SEMESTER 2 (Fall)

Classroom Observation (No Credit)
Education 4361 (Teaching in the Contemporary Classroom)
Education 4005 (Effective Teaching)
Education 4260 (Nature of Late Adolescence)
One Method Course (from 3.a.ii) and Education 4752 (Technology Education, Specialized)
Education 4950 (Evaluation of Teaching and Learning)

**Due to the Classroom Observation component this semester will extend one week longer than regularly scheduled teaching semester.

SEMESTER 3 (Winter)

Education 405X (15-credit hour Internship)

*SEMESTER 4 (Spring)

Intersession (6 Weeks) Summer Session (6 Weeks)
Two Electives From Clause 3(b) Two Electives From Clause 3(b)
Spring Semester (14 Weeks)

Elective from 4(b)

Education 4381 (Perspectives on Schooling)

*Courses may be offered in the Spring, Intersession and/or Summer Sessions.

Page 263, 1999–2000 Calendar, following the heading Regulations for the Diploma in Technology Education add the following after the programme title:

"This Diploma programme is intended to be completed after the award of a first Bachelor's degree in Education and is typically offered over three consecutive Summer Sessions. Students wishing to complete this Diploma conjoint with the Bachelor of Education (Intermediate/Secondary) are directed to the Regulations for the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education.

General Comment:

Technology Education is a specialized subject area within the high school curriculum. Students in the programme will complete a number of laboratory courses that address the development of basic skills and competencies in a variety of technological areas and how to apply them through design and problem solving processes in a school classroom/laboratory setting."

Page 263, following the heading Regulations for the Diploma in Technology Education, clause 3)b)(i) delete:

"Education 2710"

Replace with:

"Education 2711"

Page 265, following the heading Course Descriptions, subheading Legend:, insert after IS:

"ISI: Courses for students on the Intermediate/Secondary Conjoint with the Diploma in Technology Education programme."

Page 266, following the heading Course Descriptions add or change the following course designation as indicated:

" 2750. Introductory Design and Materials Processes (I,ISI).

2751. Introductory Communications and Power Technology (I,ISI).

3750. Intermediate Design and Materials Processing Technology (I,ISI).

3751. Intermediate Communications and Power Technology (I,ISI).

4750. Integrated Materials and Production Processes (I,ISI).

4751. Advanced Communications Systems (I,ISI).

4752. Technology Education, Specialized (I,ISI)."

Page 266, following the heading Course Descriptions amend the current course title and designation of Education 2710 to read as follows:

"2710. Course Organization and Development in Post-Secondary Education (A,PS).

Add new course Education 2711 after Education 2710 as follows:

2711. Course Organization and Development in Technology Education (I,ISI). (See course description in Technology Education Section).

Page 273, following the heading Student Teaching add NOTES 3) after Education 405X as follows:

"3) Students completing the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education will be placed for part of the internship in a Technology Education classroom setting."

Page 277, following the heading Courses in Post-secondary Education, change course title and course designations of Education 2710 and add NOTE as follows:

"2710. Course Organization and Development in Post-Secondary Education (A,PS).

NOTE: Credit may not be obtained for both Education 2710 and Education 2711."

Page 278, following the heading Courses in Technology Education, delete the first paragraph and replace with the following:

"These courses are designed for students registered in the Diploma Programme in Technology Education and the Bachelor of Education (Intermediate/Secondary) Conjoint with the Diploma in Technology Education and can be used for credit only on these programmes unless otherwise indicated."

Page 278, following the heading Courses in Technology Education add new course Education 2711 as follows:

"2711. Course Organization and Development in Technology Education (I,ISI). An examination of the development, structure and organization of technology education curriculum locally and internationally; applications of design and problem solving instructional strategies; the management of resources in technology education laboratories; the development of resource units for teaching.

NOTE: Credit may be obtained for only one of Education 2711 and Education 2710."

Add the following course designations as indicated:

"2750. Introductory Design and Materials Processes (I,ISI).

2751. Introductory Communications and Power Technology (I,ISI).

3750. Intermediate Design and Materials Processing Technology (I,ISI).

3751. Intermediate Communications and Power Technology (I,ISI).

4750. Integrated Materials and Production Processes (I,ISI).

4751. Advanced Communications Systems (I,ISI).

4752. Technology Education, Specialized (I,ISI)."

Page 252, following the heading Table of Contents,

delete: Admission – Bachelor of Education (Primary) and (Elementary)

delete: Bachelor of Education (Primary)

delete: Bachelor of Education (Elementary)

and replace with:

"Admission – Bachelor of Education (Primary/Elementary),

Bachelor of Education (Primary/Elementary)

Page 254, following the heading Degree Programmes, delete "Bachelor of Education (Primary) and Bachelor of Education (Elementary)" and replace with:

"Bachelor of Education (Primary/Elementary)"

Following the heading Regulations for Re-admission and Advancement, Clause 3, delete "Bachelor of Education (Primary) and Bachelor of Education (Elementary)" and replace with:

"Bachelor of Education (Primary/Elementary)"

IMPORTANT NOTICE

Students accepted into the Bachelor of Education (Primary/Elementary) degree programme to begin study as of September 2000 shall be governed by the following Regulations. Students accepted into the Bachelor of Education (Primary) and (Elementary) and who intend to complete the requirements of the degree as in effect at the time of their acceptance are required to complete their programme prior to August 31, 2003.

Students on the B.Ed. (Primary) and B.Ed. (Elementary) may use 3322 in place of either 3310 or 3320, 4362 in place of 4360 and 4383 in place of 4380 to meet programme requirements. Students on either of these programmes wishing to take courses listed as part of the Bachelor of Education (P/E) professional year will obtain permission from the Office of Undergraduate Student Services, Faculty of Education.

Page 255, delete the entries for Bachelor of Education(Primary) and Bachelor of Education (Elementary), Admission, Regulations for the Degree of Bachelor of Education (Primary) and Regulations for the Degree of Bachelor of Education (Elementary) in their entirety and replace with:

"Bachelor of Education (Primary/Elementary)

General Comment:

The Bachelor of Education (Primary/Elementary) is a 150 credit hour, 5 year programme designed to prepare teachers for kindergarten through grade six. All students will attend full time during the Professional Year, that involves both a specific set of courses and a field experience. The Professional Year is followed by a full semester teaching internship and a subsequent semester of

study intended to allow students to build on strengths and remedy weaknesses that may have become apparent during the internship.

Basic computer keyboarding skills will be expected during the first semester of this programme.

Admission:

1) Applications for admission are considered once a year to the Fall semester only. The deadline for submission of applications is February 1. Consideration will be given to the courses for which students are registered at the time of application.

2) To be considered for admission students must have successfully completed 60 credit hours as outlined in Clauses a) – h) below with a cumulative average of at least 65% or an average of at least 65% on the last 30 credit hours which they have successfully completed. The sixty credit hours are:

a) twelve credit hours in English including two first year courses and English 2390 and English 3650

b) Mathematics 1050, 1051 (or a Focus Area in Mathematics)

c) Psychology 1000, 1001

d) Science 1150 and 1151; or nine credit hours in Science; three credit hours each to be chosen from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, or Physics

e) six credit hours chosen in any combination from Anthropology, Economics, Folklore, Geography, History, Political Science, Sociology

f) A standard of French acceptable to the Faculty. Students who have successfully completed any of the following will be deemed to have met the standard: the former French 1011 or higher, French 1500 or higher, a grade of 4 or better on the Advanced Placement French Language examination, permission of the Department of French and Spanish to enter French 1502 or higher.

g) fifteen credit hours as part of a Focus Area

h) additional credit hours from areas other than Education.

3) In assessing applications to the Bachelor of Education (Primary/Elementary) degree programme, consideration will be given to student's:

a) average in the courses required for admission in Clauses 2a)–e) above;

b) overall academic performance; and

c) personal statement, references and resume as outlined on the application to the Faculty.

4) The Faculty reserves the right to deny admission to a candidate who, in the opinion of the Selections Committee, is deemed unsuitable for admission to a programme.

5) In special circumstances the Undergraduate Studies Committee, on recommendation from the Admissions Committee may, at its discretion, consider an applicant or group of applicants as an exception to the requirements outlined in Clauses 2) and 3).

Note: Students who decline an offer of admission to the Faculty of Education or who do not attend during the academic year in which admission is granted must, if they wish to be subsequently considered for admission, submit a new Application in competition with other applicants.

Regulations for the Degree of Bachelor of Education (Primary/Elementary)

1) Candidates for the degree of Bachelor of Education (Primary/Elementary) will be required to complete a minimum of one hundred and fifty credit hours in accordance with Clauses 2)

and 3) below. Appropriate courses completed prior to admission to the Faculty of Education will be included in the total number of courses required for the degree. Students:

- a) will normally follow the Programme Plan as outlined below;
- b) must enrol full-time during the Professional Year; and
- c) may enrol in the Internship only after successful completion of the Professional Year.

2) A candidate shall be required to complete a minimum of seventy-five credit hours in non-Education courses. These courses will normally be completed prior to the Professional Year. The courses are:

- a) twelve credit hours in English, including English 2390 and English 3650
- b) Science 1150 and 1151; or nine credit hours in Science; three credit hours each to be chosen from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, or Physics
- c) Mathematics 1050, 1051 (or a Focus Area in Mathematics)
- d) Psychology 1000, 1001
- e) six credit hours in any combination from Anthropology, Economics, Folklore, Geography, History, Political Science, or Sociology
- f) Physical Education 2000
- g) French 1010 and 1011, or French 1050 (students who have completed high school Francais 3212 are considered to have met this requirement)
- h) eighteen to twenty-four credit hours as listed in one of the Focus Areas below, and

i) additional credit hours from areas outside of Education for a total of seventy-five credit hours

Focus Areas:

Art (18 credit hours):

– Visual Arts courses at Sir Wilfred Grenfell College, including Art History, may be used to satisfy this requirement in whole or in part

English (24 credit hours):

– Six credit hours at the 1000 level

– 2390 and 3650

– Three credit hours chosen from 2000 or 2110, 2001, 2005, 2006, 2007, 2400, 3200, 3201, 3395

– Three credit hours chosen from 2002, 2003, 2004, 2010 or 2020, 2350, 2351

– Six credit hours chosen from 2150, 2152, 2155, 2156, 3145, 3146, 3147, 3148, 3153, 3155, 3156, 3157, 3158

Folklore (24 credit hours):

– 1000 or 2000

– 2100, 2300, 2401, 2500

– Three credit hours chosen from 3450 or 3930

– Six credit hours from the 3000 or 4000 level

French (18 credit hours):

– A maximum of six credit hours at the 1000 level

– 2100 or equivalent

- 2101 or equivalent
- 2300 or equivalent
- 3700 or equivalent
- At least five weeks at an approved Francophone institution in a French speaking area
- It is recommended that students complete at least one of 2900, 3650, 3651 or 3652.

NOTE: Students may wish to select the French Immersion option listed at the end of 'Programme Plan: Bachelor of Education (Primary/Elementary)'.

Geography (18 credit hours):

- 1000 & 1001 or 1010 & 1011
- 2001, 2102, 2195, 2302

History (18 credit hours):

- Six credit hours chosen from 1010-1015, 1100, 1101, 1200
- Six credit hours at the 2000 level
- 3110, 3120

Linguistics (18 credit hours):

- 1100 or 2100, or 1101
- 2103, 2104, 2210
- Six credit hours chosen from 2500, 3000, 3100, 3104, 3150, 3155, 3201, 3212, 3850*.

* At least three credit hours must be at the 3000-level.

Mathematics (18 credit hours including):

-A maximum of six credit hours at the 1000 level and at least three credit hours at the 3000 level.

Music (21 credit hours):

- 1107, 1117, 1127

- 1108, 1118, 1128

- 2011, 2012

- 2311, 2312

Physical Education (18 credit hours):

- 1000, 2210, 2300

- Nine credit hours chosen from 1001, 2002, 2310, 2320, 3300, 3360

Religious Studies (18 credit hours including):

- 2051

- Three credit hours chosen from 1020, 2013, 2130, or 2140

- Six credit hours at the 3000-level or above

- At least three additional credit hours to be chosen from 2011, 2012, 2013, 2130, 2140, 2610, or an additional 3000-level course

Science (18 credit hours including):

-Six credit hours in each of two subject areas selected from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, or Physics.

3) A candidate shall be required to complete a minimum of seventy-five credit hours in Education including the following:

a) Education 3120, 3131, 3273, 3312, 3322, 3484, 3543, 3616, 3618, 3940, 3951, 3952, 3962, 4362, 4383, and 4425

b) Six credit hours chosen from Education 2050, 2194, 3050, 3220 or 3230, 3755, 4205. For students whose Focus Areas are French, Physical Education, or Religious Studies, one of these courses will be determined by the particular focus area.

c) a fifteen credit hour internship (Education 401X)

d) further courses to complete the required total for the degree must be chosen from appropriate course offerings in the Faculty of Education.

Programme Plan: Bachelor of Education (Primary/Elementary):
60 Credit Hours Required for Admission

Education Semester One

Education 3484: Introduction to Learning Resources

Education 3616: Nature of the Primary/Elementary Child I

Education 3951: Curriculum, Instruction, and Assessment in the Primary/Elementary School I

Physical Education 2000: Introduction to Physical Education and Recreation or Non-Education Elective

Non-Education Elective

Education Semester Two

Education 3618: Nature of the Primary/Elementary Child II

Education 3952: Curriculum, Instruction, and Assessment in the Primary/Elementary School II

Physical Education 2000: Introduction to Physical Education and Recreation or Non-Education Elective

Non-Education Elective

Non-Education Elective

Education Semester Three: Professional Year Semester One

Education 3120: Foundations of Art Education or Education 3131: Music Education in the Primary/Elementary Grades

Education 3312: Language Arts in the Primary/Elementary School I

Education 3322: Children's Literature in the Primary/Elementary School
Education 3940: Mathematics in Primary and Elementary Grades or
Education 3273: Science in the Primary/Elementary School
Education Course from clause 3) b)
Non-credit Field Experience

Education Semester Four: Professional Year Semester Two
Education 3120: Foundations or Art Education or Education 3131:
Music Education in the Primary/Elementary Grades
Education 3543: Language Arts in the Primary/Elementary School II
Education 3273: Science in the Primary/Elementary School or
Education 3940: Mathematics in Primary/Elementary Grades
Education 3962: Social Studies in the Primary/Elementary School
Education Course from Clause 3) b)
Non-credit Field Experience

Education Semester Five: Internship
Education 401X: Undergraduate Teaching Internship (15 credit hours)

Education Semester Six
Education 4362: Sociological Perspectives on Teaching and Learning
Education 4383: Philosophy of Teaching and Learning
Education 4425: Introduction to Educational Administration
2 Electives

French Immersion Option

In addition to meeting the Admission Requirements for the Bachelor of Education (Primary/Elementary) degree programme, students applying for this option must have French as a Focus Area. Admitted students will spend the two semesters of the Professional year in a French milieu. Except as modified in Clauses (a)–(c) below these students must meet all requirements stated for the Bachelor of Education (Primary/Elementary).

These students will successfully complete:

(a) prior to the beginning of the Professional Year

i) at least twenty–seven credit hours in French, including French 3701,

ii) either high school French Immersion including Francais 3212 or at least one semester of study in a French milieu,

iii) Education 4155 in place of one of the courses in Clause 3) b) above, and

iv) Education 3150,

(b) the Professional Year in a French milieu, (modifications may be approved by the Office of Undergraduate Student Services, Faculty of Education), and

(c) the Internship in a French Immersion setting.

Students who are interested in the French Immersion Option should contact the Office of Undergraduate Student Services, Faculty of Education, at their earliest opportunity."

Pages 265, following the heading Course Descriptions, subheading Legend delete:

"P: Courses for students on the PRIMARY Programme and E: Courses for students on the ELEMENTARY Programme"

Replace with:

"PE: Courses for students on the PRIMARY/ELEMENTARY programme"

Delete the following courses, titles, numbers and descriptions:

"2150, 2193, 2360, 3005, 3006, 3130, 3160, 3270, 3275, 3305, 3310, 3315, 3320, 3370, 3375, 3480, 3540, 3545, 3615, 3950, 3955 and 3960"

Insert the following course numbers, titles, descriptions, prerequisites and NOTE(S) in the appropriate numerical order:

"3131. Music Education in the Primary/Elementary Grades (PE). This course is designed to provide the prospective primary/elementary classroom teacher with the knowledge, skills and understandings necessary for presenting basic music concepts and skills to students and for using music as a means for teaching or enriching other areas of the curriculum. Course work will include study in the three facets of general classroom music: scholarship of the discipline, musicianship, and classroom methodology.

NOTES: 1)Credit may be obtained for only one of Education 3131 and Education 3130.

2)This course may not be used towards the Conjoint Degrees of Bachelor of Music and Bachelor of Music Education or the Bachelor of Music Education as a Second Degree.

3273. Science in the Primary/Elementary Grades (PE). A practical course designed to develop approaches to Science teaching based on student investigation of scientific phenomena. Examples are drawn from both provincial and other major curricula.

NOTE: Credit may be obtained for only one of Education 3273, 2180, 3270 or 3275.

3312. Language Arts in the Primary/Elementary School I (PE). This course provides students with a holistic view of the learning and teaching of language arts (i.e., the receptive language abilities of viewing, listening and reading, and the expressive language abilities of speaking and writing). This course will help students develop a theoretical perspective on two major aspects of language, that being "knowledge of language" (i.e., knowledge of the structures of language) and "knowledge about language" (i.e., knowledge about attitudes and perceptions towards language and the various purposes of language). This course will extend students' understanding of the importance of the home/community influences upon emergent and developmental literacy and language development.

NOTE: Credit may be obtained for only one of Education 3312, 2210, 2220, 3305 or 3315.

3322. Children's Literature in the Primary/Elementary School (PE). This course focuses on the personal and educational values for using children's literature in the classroom, examines the literary genres appropriate for primary/elementary children and explores meaningful literacy extensions to develop children's literacy strategies and skills. In addition, the course examines guidelines for evaluating children's literature for literacy and aesthetic qualities. Instructional strategies to integrate children's literature across the curriculum are explored.

NOTE: Credit may be obtained for only one of Education 3322, 2060, 2065, 3310 or 3320.

3484. Computers and Learning Resources for Primary/Elementary Teachers (PE). This course focuses on the integration of computer software and other learning resources into primary/elementary school teaching. Laboratory components will be scheduled so that students may learn how to use and implement communications, applications and curricular software.

NOTE: Credit may be obtained for only one of Education 3484, 3480 or 3801.

3543. Language Arts in the Primary/Elementary School II (PE). This course provides students with a social-psychological perspective on children's learning to read, reading and reading to learn. Students will explore current and traditional models of the reading process and the importance of home/school/community contexts for fostering literacy learning. Students will apply instructional strategies for children's learning of story, book and print concepts, word identification, fluency, vocabulary development and comprehension for a variety of texts.

Prerequisite: Education 3312

NOTE: Credit may be obtained for only one of Education 3543, 2110, 2120, 3540, 3542 or 3545.

3616. Nature of the Primary/Elementary School Child I (PE). This course provides an introduction to human learning, motivation and cognition and to the related concepts and theories underlying children's classroom learning and behaviour. Focus will be on typical development with some attention to atypical (exceptionality) functioning in these areas. The course will familiarize students with the concepts and vocabulary used to describe classroom learning and with explanations and justifications for many educational and instructional activities and practices. Particular attention will be paid to application of this knowledge to instruction and classroom management and to the facilitation of learning.

NOTE: Credit may be obtained for only one of Education 3616, 2250 or 3615.

3618. Nature of the Primary/Elementary School Child II (PE). This course is intended to provide students with an awareness and understanding of the origins of many aspects of child behaviour and competence. While focussing on the development and nature of the "normal" child, where appropriate, contrasts and comparisons will be made between the development of "normal" and "exceptional" individuals.

Prerequisite: Education 3616

NOTE: Credit may be obtained for only one of Education 3618, 2250 or 3615.

3755. Teaching Technology Education in the Primary/Elementary Classroom (PE). This course is designed to introduce current philosophies and methodologies applicable to the field of primary/elementary school technology education. An emphasis will be placed on practical activities and approaches that develop competencies in core technological areas.

3951. Curriculum, Instruction, And Assessment in the Primary/Elementary School I (PE). This course is designed to engage students in an introduction to curriculum, instruction, and assessment in the primary/elementary school through active participation in problem solving. Students will be introduced to the different ways that primary/elementary school children view and make sense of their world (i.e., the linguistic, mathematical,

scientific, and artistic). Working through such a framework, students will be introduced to instructional strategies and planning, formative and summative assessment, and issues inherent in the management of the primary/elementary classroom, as they create multi-disciplinary, thematic, resource-based units.

3952. Curriculum, Instruction, And Assessment in the Primary/Elementary School II (PE). This course is designed to engage students in a deeper exploration of issues in curriculum, instruction, and assessment in the primary/elementary school through active participation in problem solving. Students will be introduced to the different ways that primary/elementary school children view and make sense of their world. Working through such a framework, students will be introduced to instructional strategies and planning, formative and summative assessment, and issues inherent in the management of the primary/elementary classroom, as they create multi-disciplinary, thematic, resource-based units.

Prerequisite: Education 3951

3962. Social Studies in the Primary/Elementary School (PE). This course is an introduction to the social studies program at the primary/elementary school level. Topics to be explored include the nature and purposes of the social studies curricula, approaches to teaching and learning in this curricula area, selecting and utilizing learning resources, and conducting assessment in the social studies.

NOTE: Credit may be obtained for only one of Education 3962, 2160 or 3960.

4362. Sociological Perspectives on Teaching and Learning (PE). An examination of such social issues in education as poverty, child abuse, gender, ethnicity, and changes in the society and their implications for the nature and process of schooling. A study of social dimensions of education, including the content of education and the organization of teaching and learning. An analysis of students' experiences in the internship with regard to the above and other aspects of education the students might identify.

Prerequisite: Education 401X

NOTE: Credit may be obtained for only one of Education 4362 and 4360.

4383. Philosophy of Teaching and Learning (PE). This course examines a number of central philosophical concepts, assumptions and issues involved in the pursuit of teaching and learning in the schools. The aim of the course is to provide students with an understanding of the distinctive character of philosophical analysis as a reflective and critical practice that intends to promote professional excellence and personal well-being.

Prerequisite: Education 401X

NOTE: Credit may be obtained for only one of Education 4383 and 4380

Delete "P and E" designations from the following courses:

"3370,3375,3950,3955,4820, and 4944"

Delete "P and/or E" designations from the following courses and replace with "PE":

"2040, 2041, 2050, 2194, 2200, 2202, 2245, 2341, 2420, 2610, 2900, 3009, 3010, 3030, 3040, 3050, 3052, 3053, 3080, 3081, 3120, 3121, 3122, 3150, 3180, 3210, 3211, 3220, 3230, 3255, 3276, 3277, 3290, 3380, 3390, 3410, 3420, 3460, 3470, 3510, 3520, 3530, 3531, 3532, 3560, 3563, 3565, 3570, 3571, 3573, 3580, 3582, 3585, 3590, 3620, 3640, 3660, 3802, 3807, 3815, 3915, 3940, 3941, 3942, 3943, 3945, 3946, 401X, 4155, 4205, 4250, 4251, 4252, 4253, 4254, 4255, 4331, 4360, 4370, 4380, 4425, 4430, 4440, 4600, 4610, 4720, 4800, 4810, 4943".

Page 272, add the following prerequisite to Education 4425:

Prerequisite: Education 401X or 405X

Page 273, following the heading Student Teaching, delete the entries for Education 3005 and 3006 in their entirety.

Page 270 and 273, delete "P and E" designations from 401X and replace with "PE".

Page 273, amend the first paragraph of the prerequisite for 401X to read as follows:

"Successful completion of the professional year. Students doing a Focus Area in French must have completed...and Education 3050"

Delete the next paragraph beginning with "Students on the French Immersion Option..... and ending with..... and Education 4155".

Page 274, following the heading Courses in Music Education, delete Education 3130 and 3160 in their entirety.

Delete P and/or E designations from 3180, 3815, 3915, 4800 and 4810, and replace with " PE".

Add the following:

"3131. Music Education in the K–6 School (PE). (See course description in the Education Course Section)."

Page 275, following the heading Courses in Special Education, delete:

P and/or E designations from 3040, 3620, 3640, 3650, 3660, 3941 and 4541, and replace with:

"PE".

Page 278, following the heading Courses in Technology Education, delete the "E" designation from 4720 and replace with "PE".

Page 279, following the heading Institutes in Education, delete P and E designations from the following courses:

"Education 4540 and 4542; 3530, 3531, 3532; 3052, 3053; 4250, 4251; 3945, 3946; 4254, 4255; and 4252, 4253".

Page 255, following the heading Regulations for the Degree of Bachelor of Education (Primary), and on page 257 following the heading Regulations for the Degree of Bachelor of Education

(Elementary) delete the current concentrations and replace with the following:

"Art (18 credit hours):

-Visual Arts courses in Art History at Sir Wilfred Grenfell College may be used to satisfy this requirement in whole or in part.

English (24 credit hours):

-Six credit hours at the 1000 level

-2390 and 3650

-Three credit hours chosen from 2000 or 2110, 2001, 2005-2007, 2400, 3200, 3201, 3395

-Three credit hours chosen from 2002-2004, 2010 or 2020, 2350, 2351

-Six credit hours chosen from 2150, 2152, 2155-2156, 3145-3148, 3153, 3155-3158

Folklore (24 credit hours):

-1000 or 2000

-2100, 2300, 2401, 2500

-Three credit hours chosen from 3450 or 3930

-Six credit hours chosen from the 3000 or 4000 level

French (18 credit hours):

-A maximum of six credit hours at the 1000 level

-2100 or equivalent

-2101 or equivalent

-2300 or equivalent

-3700 or equivalent

-At least five weeks at an approved francophone institution in a French speaking area.

-It is recommended that students complete at least one of 2900, 3650, 3651 or 3652.

NOTE: Students may wish to select the French Immersion option listed at the end of 'Suggested Course Sequence – Primary Programme'.

Geography (18 credit hours):

-1000 & 1001 or 1010 & 1011

-2001, 2102, 2195, 2302

History (18 credit hours):

-Six credit hours chosen from 1010–1015, 1200

-Six credit hours at the 2000 level

-3110, 3120

Linguistics (18 credit hours):

-1100 or 2100, or 1101

-2103, 2104, 2210

-Six credit hours chosen from 2500, 3000, 3100, 3104, 3150, 3155, 3201, 3212, 3850*

*At least three credit hours must be at the 3000-level

Mathematics (18 credit hours including):

No more than six credit hours at the 1000 level and at least three credit hours at the 3000 level.

Music (21 credit hours):

-1107, 1117, 1127

-1108, 1118, 1128

-2011, 2012

-2311, 2312

Physical Education (18 credit hours):

-1000, 2210, 2300

-Nine credit hours chosen from 1001, 2002, 2310, 2320, 3300, 3360

Religious Studies (18 credit hours including):

-2051

-Three credit hours chosen from 1020, 2013, 2130, or 2140

-Six credit hours at the 3000-level or above

-At least three additional credit hours to be chosen from 2011-2013, 2130, 2140, 2610, or an additional 3000-level course

Science (18 credit hours including):

At least six credit hours in each of two subject areas selected from Biochemistry, Biology, Chemistry, Earth Sciences, Environmental Science, or Physics."

Page 255, following the heading Bachelor of Education (Primary) and Bachelor of Education (Elementary), subheading Admission, add the following to clause 2) d):

"Environmental Science"

Page 255, following the heading Regulations for the Degree of Bachelor of Education (Primary,) and on page 257 following the heading Regulations for the Bachelor of Education (Elementary, add the following to clause 2) b):

"Environmental Science"

Page 273, following the heading Course Descriptions, insert the following after the entry for Education 4950 as follows:

"4970–4980. Special Topics Courses in Intermediate/Secondary (IS). Topics to be offered will be announced by the Faculty of Education."

56.2 Faculty of Engineering and Applied Science

Page 361, following the heading Bachelor of Engineering Degree Programme, subheading Programme of Study, move the third and fourth paragraphs in column one of page 361 to a new section entitled Complementary Studies Courses, immediately prior to the section Computing Foundations, to read as follows:

"Complementary Studies Courses

It is clear that our society is becoming increasingly... specialized technical matters.

The Complementary Studies component... and consists of a minimum of 21 credit hours as follows:

1. Term A or B: English 1080 (or equivalent) or English 1020
2. Humanities and social science electives – a minimum of 6 credit hours in Terms A & B and 3 credit hours in Term 1 chosen from the following departments and programmes listed below:

Anthropology

Classics

English

Folklore

French & Spanish

Geography

German & Russian

Historical Studies

History

Humanities

Law and Society

Linguistics

Medieval Studies

Philosophy

Political Science

Psychology

Religious Studies

Social & Cultural Studies

Sociology

Women's Studies

The course in Term 1 must be second year or higher. Note that a course designed primarily to impart language skills cannot be used to satisfy this requirement.

3. Term 4: Engineering Economics – Engineering 4102

4. Term 5: A complementary studies elective (three credit hours) chosen from a list provided by the Office of the Associate Dean

5. Term 6: Assessment of Technology – Engineering 6101"

Page 363, following the heading Examinations and Promotions, subheading Academic Terms, amend clause 5)c) as follows:

"c) The student must obtain six credit hours in complementary studies electives (see the section COMPLEMENTARY STUDIES COURSES on page ***). Students who have completed only three credit hours may be admitted to the programme in which case they will be required to obtain three more credit hours prior to graduation."

Page 365, following the heading Course List, subheading Term 1 Courses, amend the NOTE to read as follows:

"NOTE: All students take a Complementary Studies elective in Term 1 (see the section COMPLEMENTARY STUDIES COURSES on page ***)."

Amend the chart entitled Chart of Bridging Programme for Mechanical Engineering as approved by Senate on September 14, 1999, as follows:

Delete: "3942 PRODUCTION TECHNOLOGY"

Replace with: "3901 THERMODYNAMICS"

Page 365, following the heading Course List, delete and replace the following course descriptions as follows:

"4854. Electronic Devices and Circuits. Principles of operation of the diode, bipolar junction transistor and metal–oxide semiconductor field–effect transistor; terminal characteristics, graphical analysis; biasing of devices; device and circuit models of dc, small–signal and high–frequency analysis; single–stage amplifiers; differential and multi–stage amplifiers; digital electronics; applications of electronic devices; design of regulated dc power supplies and mid–frequency signal amplifiers using discrete components; computer–aided analysis and design of electronic circuits. Relevant laboratory exercises.

6806. Project Design Labs in Electrical/Computer Engineering. This course includes a team project. Students are expected to apply previously acquired knowledge in an integrated fashion to the solution of an electrical/computer engineering problem. An open-ended problem will be chosen to emphasize all phases of the development process including problem definition, design, implementation, and testing, and students will be required to demonstrate that given objectives and specifications have been met. Written and oral project reports will be required.

6821. Control Systems I. Transfer functions and state space models for dynamic systems, signal flow graphs; negative feedback, ON-OFF and proportional -integral-derivative controllers; stability, dynamic response, and steady state tracking errors in linear feedback systems; root locus methods, compensation; analysis and compensator design in the frequency domain, Nyquist stability criterion, gain and phase margins; sampled data controllers; software and hardware design and implementation of multivariable controllers; design of programmable logic controller (PLC) based process automation. Relevant laboratory exercises.

6843. Rotating Machines. Fundamentals of rotating machines; design of machine windings; polyphase and single phase induction motor theory and applications; synchronous machine theory; stability and control of synchronous generators; control and protection of rotating machines; introduction to special-purpose machines. Relevant laboratory exercises.

6855. Industrial Controls and Instrumentation. Control and instrumentation system components; control devices and transducers; instrumentation and signal processing circuits; analog/digital interface circuitry and data acquisition systems; noise, grounding and shielding; analog and digital controllers; programmable logic controllers and microcontrollers; design of closed-loop control systems; applications in process and robot control; design and implementation of PC-based virtual instrumentation; design, implementation, and testing of process control subsystems. Relevant laboratory exercises and projects.

7844. Power System Analysis. Introduction to electric power systems; per unit quantities; transmission line parameters; modelling of power system components; single line diagrams;

network equations formulation; bus impedance and admittance matrices; load flow analysis and control; design of reactive power compensation for power system performance enhancement; tap changing, auto and control transformers for power system application; symmetrical components; fault studies. Relevant laboratory exercises and computer-aided analysis and design.

7858. Industrial Controls and Instrumentation. Control and instrumentation system components; control devices and transducers; instrumentation and signal processing circuits; analog/digital interface circuitry and data acquisition systems; noise, grounding and shielding; analog and digital controllers; programmable logic controllers and microcontrollers; design of closed-loop control systems; applications in process and robot control; design and implementation of PC-based virtual instrumentation; design, implementation, and testing of process control subsystems. Relevant laboratory exercises and projects.

8800. Electrical/Computer Engineering Design Project. Each student is required to work independently on a design project having Electrical/Computer Engineering pertinence, and to present written and oral reports on this work. Projects will normally be open-ended and involve design, implementation and testing of hardware and/or software components. Lectures will be scheduled as required."

Page 365, following the heading Term 2 Courses, amend the entry for 001W. Engineering Work Term I (Spring Semester) as follows:

Delete "The Work Report ...c) show reasonable competence in written communication skills."

Replace with: "The communications component for Work Term 1 consists of two documents which must be submitted for evaluation; additional communications requirements (e.g. technical report, manual) may be requested by the employer. The two documents to be submitted to the Engineering Co-operative Education Office are:

Personal Job Diary

Work Term Journal or Short Technical Report or Portfolio.

Detailed guidelines for the preparation of these documents are provided in the Engineering Student Co-op Handbook. These documents should be submitted or postmarked no later than the last official day of the work term as shown in the University Calendar."

Delete "NOTE: Seminars on professional ... place, and industrial safety."

Page 366, following the heading Term 3 Courses, amend the last sentence in the first paragraph for 002W. Engineering Work Term 2 (Winter Semester) to read as follows:

"Students should also demonstrate an ability to deal with increasingly complex work-related concepts and problems (Course fee: \$420)."

Delete "The Work Report should, ... c) show competence in written and graphical communication skills.", and replace with the following:

"The communications component for Work Term 2 consists of two documents: an Industry Company Profile (ICP) which must be submitted for evaluation and a Job Diary which will not be submitted but must be available for review during monitoring. Additional documents (e.g. technical report, manual) may be requested by the employer. The ICP consists of a general industry profile, a company profile, an outline of the student's role within the company and supporting documents. The words Industry and Company are used here in a broad sense and include governments, regulatory agencies etc. Detailed guidelines for the preparation of the ICP are provided in the Co-op Student Handbook. The ICP should be submitted or postmarked no later than the last official day of the work term as shown in the University Calendar."

Page 367, following the heading Term 4 Courses, amend the entry for 003W. Engineering Work Term 3 (Fall Semester) as follows:

Delete "The Work Report should ... c) show a high level of written and graphical communication skills.", and replace with the following:

"The communications component for Work Term 3 consists of preparing a formal, descriptive technical report which must be submitted for evaluation. Students are also expected to keep a job diary. Additional communication requirements may be requested by the employer. The technical descriptive report should describe a technical process, project, procedure or investigation chosen from the student's work environment. Guidelines for the preparation of a descriptive technical report are provided in the Co-op Student Handbook. The report should be submitted or postmarked no later than the last official day of the work term as shown in the University Calendar."

Page 367, following the heading Term 5 Courses, delete the entry for 004W. Engineering Work Term 4 (Spring Semester) in its entirety and replace with the following:

"004. Engineering Work Term 4 (Spring Semester). Students should anticipate greater participation in their selected engineering discipline and become more experienced and proficient with the appropriate design procedures. Students are expected to acquire improved speed and accuracy in their work and at the same time, be willing to accept greater responsibility and to function with less direct supervision. The use and importance of recently acquired analytical skills in engineering analysis should become more apparent and be applied when appropriate. The purpose and application of specifications and codes should be demonstrated when necessary (Course fee \$420.)

The communication component for Work Term 4 consists of an oral presentation on a technical subject taken from the student's work environment; additional communication requirements may be requested by the employer. Preferably the topic should be specifically related to the students's work. The presentation should be of 10 minutes duration and will be given on campus in a formal setting after students have returned to class. A written summary is also required. Guidelines for the preparation of this oral presentation are provided in the Co-op Student Handbook."

Page 368, following the heading Term 6 Courses, amend the entry for 005W. Engineering Work Term 5 (Spring Semester) as follows:

Delete the second paragraph "The Work Report should, at a minimum ...to make an oral presentation of the report's content.", and replace with the following:

"The communications component for Work Term 5 is a formal technical report. The subject should be taken from the student's work or work environment and should deal with a project or problem worked on during the term. The report should be documented according to engineering standards. Guidelines for a formal technical report are provided in the Co-op Student Handbook. The report should be submitted or postmarked no later than the last official day of the work term as shown in the University Calendar."

Page 369, following the heading Term 7 Courses, amend the course description for 006W. Engineering Work Term 6 (Fall Semester) as follows:

Delete the second paragraph and replace with the following:

"The communications component for Work Term 6 will take the form of a feasibility study, an operations manual, a project report or other technical report. The student may use a format or structure conforming to the employer's practice. In such cases the student should provide documentary material on the standards for this form of report. The report should be submitted or postmarked no later than the last official day of the work term as shown in the University Calendar."

Page 364, following the sub-heading Work Terms, amend clause 20) to read as follows:

"20) A competition for work term employment is organized by the Office of Co-operative Education as outlined in the Engineering Students Co-op Handbook. Students are encouraged to spend two consecutive work terms with a given employer provided suitable work is available."

Page 364, following the heading Work Terms, delete clause 22) in its entirety.

Following the heading Work Terms, renumber clause 23) as clause 22).

Following the heading Work Terms, delete the current clause 24) and replace with the following:

"23) A communication component must be completed for each work term. The communications requirement for each work term is specified in the course description for the work term and is covered in more detail in the Co-op Student Handbook. The actual format will depend on the specific requirements of the Faculty for the work term. If an employer designates a written report to be confidential, a non-disclosure agreement must be completed to legally protect the confidential material. Written documents must be submitted on or before the deadline date shown in the University Diary. Presentations, when required, will normally be given at the University at a time arranged by the Faculty Office of Co-operative Education."

Following the heading Work Terms, renumber clause 25) as clause 24), and amend clause 24) to read as follows:

"24) The overall evaluation of the work term is the responsibility of Engineering Co-operative Education. Work term grades are submitted to the Faculty Council of Engineering and Applied Science at the end of each work term. The work term evaluation consists of two components: student work term performance as evaluated by a co-ordinator, given input from the employer, and a communications component evaluated by a co-ordinator or delegate. Each component is evaluated separately.

Evaluation of the work performance will result in one of the following classifications: EXCELLENT, ABOVE AVERAGE, SATISFACTORY, NEEDS IMPROVEMENT, UNSATISFACTORY.

Evaluation of the communications component will result in one of the following classifications: EXCELLENT, ABOVE AVERAGE, SATISFACTORY, UNSATISFACTORY.

Overall evaluation of the work term will result in the assignment of one of the following final grades:

a) Pass with Distinction: To receive a recommendation of PASS WITH DISTINCTION, a student needs to obtain an evaluation of EXCELLENT in both the communication and work performance components of the work term.

b) Pass: To receive a recommendation of PASS a student must achieve an evaluation of SATISFACTORY or better in the communication component and a NEEDS IMPROVEMENT or better in the performance component of the work term.

c) Fail: A student receiving an UNSATISFACTORY in either or both the communication and performance components of the work term will receive a recommendation of FAIL.

For promotion from the work term, a student must obtain PASS WITH DISTINCTION or PASS."

Page 364, 1999–2000 Calendar, following the heading Work Terms, renumber clauses 26) and 27) as clauses 25) and 26).

56.3 School of Nursing

Page 319, following the heading General Regulations for the Bachelor of Nursing (Collaborative) Programme, amend clause 3) i) as follows:

"i) Biology 2201 and 3201 or their equivalents"

With the agreement of Dr. C. Orchard, it was agreed that the last sentence of the paragraph preceding the above-noted clause i) be amended to read as follows:

"...In addition, high school Advanced Math 3201 is preferred. High school science courses must include the following:"

Page 324, 1999–2000 Calendar, following the heading Course List, subheading 3 Credit Hour Courses, amend the course description for N4110. Senior Seminar., to read as follows:

"N4110. Senior Seminar. This course follows the completion of two clinical course taken during the final semester of the programme. It is designed to allow students to share with peers and faculty their

ability to critically discuss the professional competencies and issues in complex work-related situations. Students also report on significant aspects of the nursing roles in which they participated during one of the two clinical courses N4512 or N4513."

Page 320, 1999–2000 Calendar, following the heading Academic Standards and Promotions, following clause 6) a) insert new clause b) as follows:

"b) A student who has not taken a nursing course in the Bachelor of Nursing (Collaborative) Programme within SIX consecutive semesters, and who has not kept the Associate Director informed about his/her plan to resume studies, will be withdrawn from the programme."

Re-letter current clause 6)b) as 6)c).

56.4 Department of Physics and Physical Oceanography

Page 240, following the heading Minor in Physics, delete current entry and replace with the following:

"A minor in Physics will consist of 24 credit hours in Physics courses which must include Physics 1050 (or 1020 and 1021), 1054, 2053, 2054, 2055, 2056. Only six credit hours at the 1000 level can be used to fulfill the 24 credit hours. For those students whose major is Chemistry, the 24 credit hours in Physics will not include P2053."

Page 240, following the heading Physics and Physical Oceanography, subheading Programmes in Physics, delete clause 7) and clause 9) in their entirety.

Page 242, following the heading Course List, delete the following courses in their entirety:

"1000. Introduction to Physics.

2000. Physics in Contemporary Society.

2040. Applied Physics for the Life Sciences I.

2041. Applied Physics for the Life Sciences II."

Page 210, 1999–2000 Calendar, following the heading Joint Programmes, insert new programme:

"Joint Honours in Geophysics and Physical Oceanography

The programme requires the following 40 courses:

a) English 1080 and 1110 (or equivalent), Chemistry 1050 and 1051 (or equivalents), Mathematics 1000 and 1001, Earth Sciences 1000 and 1001, Physics 1050 and 1054 (or Physics 1020, 1021 and 1054).

b) Earth Sciences 2310, 3170, 3172, 4105, 4171, 4173, 4179 and six credit hours at the 2000 level and three credit hours at the 3000 level.

c) Physics 2053, 2054, 2055, 3220, 3300, 3500, 3820, 3821, 4205, 4300, 4350 plus one of Physics 3600, 3150, 3400, 3550 or 3900.

d) Mathematics 2000, 2050, 2051, 3202 and 3260.

e) Either Earth Sciences 499A and 499B or Physics 490A and 490B."

Page 230, following the heading Earth Sciences, subheading Programmes in Earth Sciences, below the 120 credit hour programmes, following the item "-Honours or General Degrees in Earth Sciences" insert the following:

"- Joint Honours in Geophysics/Physical Oceanography"

Page 240, following the heading Physics and Physical Oceanography, subheading Programmes in Physics, immediately following the item "-Physics/Earth Sciences Joint Honours" insert the following:

"- Geophysics/Physical Oceanography Joint Honours"

Page 210, following the heading Joint Programmes, insert new programme:

"Joint Major in Applied Mathematics and Physics (B.Sc. only)

a) English 1080 and 1110 (or equivalent).

b) Chemistry 1050 and 1051 (or equivalents)

c) A computing course early in your programme is required.
AM2120 is highly recommended.

d) Physics 1050 (or P1020 and 1021), 1054, 2053, 2054, 2055,
2056, 3220, 3400, 3500, 3750, 3900.

e) Mathematics 1000, 1001, 2000, 2001, 2050, 2051, AM2130,
AM/PM3201, AM/PM3202, AM/PM3260, AM3132.

f) Either Applied Mathematics 3161 or Physics 3820.

g) At least twelve additional credit hours chosen from the Applied Mathematics and Physics courses numbered 3000 or higher. Of the twelve credit hours, three are required in Physics and three in Applied Mathematics."

Page 234, following the heading Mathematics and Statistics, subheading Programmes in Mathematics and Statistics, after clause k) insert new clause l) as follows:

" l) Applied Mathematics/Physics Joint Major (B.Sc. only)"

Re-letter current clauses l) – t) as m) – u)

Page 240, 1999–000 Calendar, following the heading Physics and Physical Oceanography, subheading Programmes in Physics, immediately following the item "-Honours in Physics" insert the following:

"Applied Mathematics/Physics Joint Honours"

56.5 Department of Computer Science

Page 228, following the heading Course List, replace the prerequisite line for 2752. Introduction to Business Data Processing (F)., with the following:

"Prerequisite: Computer Science 2602, 2710, or the former 2700 or 2800."

Replace the prerequisite line for 3710. Vocational Languages (W)., with the following:

"Prerequisite: Computer Science 2711."

Replace the prerequisite line for 3731. Numerical Methods (W)., with the following:

"Prerequisite: Computer Science 2602 or 2710, and Mathematics 2000."

Replace the prerequisite line for 3753. Computational Aspects of Linear Programming (F)., with the following:

"Prerequisite: Mathematics 2050 and one of Computer Science 2710, 2602 or the former 2700 or 2800."

Replace the prerequisite for 3714. Programming Languages and their Processors (F) & (W)., with the following:

"Prerequisite: Computer Science 3740 and 3724."

Delete and replace the course title and description for 4718. Software Methodology (F). with the following:

"4718. Software Methodology (F) & (W). This course introduces methods and tools for developing, managing, and maintaining large-scale software systems. The life-cycle of software development is covered with special emphasis. The topics discussed include development models and environments, project management, requirement engineering, design and programming techniques, software validation, maintenance, and re-engineering.

Prerequisites: Computer Science 3711 and 3714."

Delete the current entry for 4721. Operating Systems Principles (W).and replace with the following::

"4721. Operating Systems Principles (F). This course provides an introduction to the main concepts and techniques used in operating systems. The topics include history of operating systems, structures of operating systems, process management, process coordination, deadlocks, memory management, secondary storage management, file management, security and protection issues, elements of distributed operating systems, and selected case studies.

Prerequisite: Computer Science 3725."

Delete the current entry for 4741. Computer Architecture (F) & (W). and replace with the following:

"4741. Theory of Abstract Automata and Formal Languages (W). This course covers more advanced topics of abstract automata, formal grammars and languages. They include timed and stochastic automata, probabilistic grammars, tree automata and languages, cellular automata, matrix grammars, controlled rewriting systems, and L-systems. Applications in computer graphics, visualization and digital images, and modeling of systems are used as illustrations of the formalisms.

Prerequisite: Computer Science 3740."

56.6 Department of Biology

Page 210, following the heading Joint Programmes, delete the entry Joint Honours in Cell Biology/Microbiology and Biochemistry, in its entirety and replace with the following:

"Cell Biology and Biochemistry Joint Honours

Students must have at least an overall average of 65% in English 1080 and 1110 (or equivalents), Mathematics 1000 and 1001, Biology 1001 and 1002, Chemistry 1050 and 1051 (or equivalents), Physics 1050 and 1054 (or 1020, 1021 and 1054).

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

a) Biochemistry 2100, 2101, 3105, 3106, 3107, either 4210 or 4211, twelve credit hours chosen from 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201.

b) Biology 2060, 2250, 2600, 2900, 3050 and nine credit hours chosen from 3500, 3530, 3620, 4000, 4200, 4241. In addition, further Biology courses must be selected by the student to make up a minimum of 42 credit hours in Biology including Biology 1001 and 1002 but not including Biology 499A or 499B.

c) Either Biochemistry 311A and 311B, or Biology 3401 plus one of Biology 3402, 4245 or 4404.

d) Chemistry 2300, 2400, 2401, 3100, 3400.

e) Statistics 2550 or equivalent.

f) An Honours Dissertation (Biology 499A/499B or Biochemistry 499A/499B).

NOTE: Students may count only one of the two courses, Biochemistry 4105 or Biology 4200, for credit in this programme.

The topic of the Honours dissertation must be chosen with the approval of both Departments. A faculty member of either Department may act as supervisor.

Seventy-eight (78) credit hours in Biology, Biochemistry and Chemistry courses beyond the first-year level from those listed in the programme shall contribute to those in which a grade of "B" or an average of 75 or higher is required."

Page 211, 1999–2000 Calendar, following the heading Biology and Earth Sciences Joint Honours, delete clauses c) and f) in their entirety and replace with the following:

"c) Biology 2060, 2250, 2600, 2900, one of 3401, 3402, 4245 or 4404; plus Biology 3710, 3711, and one of 4210 or 4505. In addition, further Biology courses must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology not including Biology 499A or 499B.

f) Other courses to complete the prescribed minimum of 135 credit hours in courses for the Honours degree, with at least 84 credit hours in courses in Biology and Earth Sciences combined."

Page 211, Amend clause b) to read as follows:

Chemistry 2440...Statistics 2550, 2560 or 2510."

Page 212, following the heading Statistics/Biology Joint Honours (B.Sc. only), delete current clause e) and replace with the following:

"e) Biology 2060, 2250, 2600, 2900, one of 3401, 3402, 4245 or 4404. In addition, further Biology courses must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology but not including Biology 499A or 499B."

Page 211, following the heading Biology/Psychology Joint Honours, delete clause 1. and replace with the following:

"1. Biology 1001, 1002, 2060, 2250, 2600, 2900; one of 3401, 3402, 4245, 4404; four Biology electives not including Biology 499A or 499B."

Page 211, following the heading Biology/Psychology Joint Honours, amend clause 5. as follows:

Delete:

"a course in Computer Science is strongly recommended"

Replace with:

"Computer Science 2650 (or any other Computer Science course) is strongly recommended but not required."

Page 212, following the heading Biology/Psychology (Behavioural Neuroscience) Joint Honours, delete clause 1. and replace with the following:

"1. Biology 1001, 1002, 2060, 2250, 2600, 2900; one of 3401, 3402, 4245, 4404; five Biology electives not including Biology 499A or 499B."

Amend clause 5. to read as follows:

"English 1080 and 1110...one course in Computer Science (Computer Science 2650 is recommended)."

Page 212, following the heading Statistics/Biology Joint Honours (B.Sc. Only), delete clause e) and replace with the following:

"e) Biology 2060, 2250, 2600, 2900, one of 3401, 3402, 4245, or 4404. In addition, further Biology courses must be selected by the student in consultation with the supervisor to make up a minimum of 42 credit hours in Biology but not including Biology 499A or 499B."

Page 219, following the heading Biology, subheading Programmes in Biology, delete the current entry and replace with the following:

"The following undergraduate programmes are available in the Department:

- Major or Honours in Biology
- Joint Honours in Biology and Earth Sciences (Geology)
- Joint Honours in Biology and Psychology
- Joint Honours in Biology and Psychology (Behavioural Neuroscience)
- Joint Honours in Biology and Statistics
- Joint Honours in Cell Biology and Biochemistry
- Minor in Biology

Details of joint programmes are given after the Honours B.Sc. Regulations."

Page 219, following the heading Biology, subheading Entrance Requirements, delete:

"Mathematics 1080/1081 (or Mathematics 1000 only)"

Replace with:

"Mathematics 1090 and Mathematics 1000 (or Mathematics 1000 only)"

Delete paragraph four in its entirety:

"Academically strong students...first year physics by the end of their second year."

Page 219, following the heading Biology, subheading Minor in Biology, delete paragraph one and replace with the following:

"A minor in Biology will consist of twenty-four credit hours in Biology courses: 1001 and 1002 (or equivalent) plus any 18 credit hours chosen from the list of Biology courses except 2040, 2041 and 2120. The choice of courses must be made in consultation with the Head of Biology or delegate and it is recommended (but not required) that students take at least two Biology courses at the 3000-level or above."

Page 219, following the heading Biology, subheading General Degree – Major in Biology, delete the current entry and replace with the following:

"Each Biology Major is assigned a faculty advisor who should be consulted on academic problems, including course selection. All students majoring in Biology are required to complete a minimum of forty-five credit hours in courses from the Biology Department offering. Those forty-five credit hours must include Biology 1001/1002 or their equivalents, the fifteen credit hours in core courses listed below, and twenty four credit hours in biology electives.

Biology Core (fifteen credit hours): Biology 2060, 2250, 2600, 2900, plus one of Biology 3401, 3402, 4245 and 4404.

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

- English 1080 and 1110 (or equivalent)
- Physics 1020/1021 (or 1050/1054)
- Mathematics 1000
- Chemistry 1010/1011 (or 1050/1051), 2440
- Statistics 2550
- Biochemistry 2101 and 3106
- Extra Science courses as necessary to fulfil the requirement for 78 credit hours in Science as stipulated in Clause 3 i. of the "REGULATIONS FOR THE GENERAL DEGREE OF BACHELOR OF SCIENCE".

It is recommended (but not required) that a Computer Science course be included and the Biology Department strongly recommends Computer Science 2650.

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

Page 219, following the subheading Honours Degrees, paragraph 2, line 2, delete:

"twenty-seven"

Replace with:

"fifteen"

Paragraph 6, line 2, delete:

"three"

Replace with:

"two"

Page 220, following the subheading Honours in Biology, delete the current entry and replace with the following:

"Students seeking the Honours Degree in Biology must satisfactorily complete Biology 1001/1002 (or equivalents) and the fifteen credit hours of core Biology courses. The remaining forty eight credit hours in Biology courses, which must include the dissertation (499A/499B), may be taken as electives from the Biology offering, on the advice of the supervisor. Additional courses from other departments required for the Honours Degree in Biology include those given for the Major in Biology Programme as outlined above.

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

As a guide to course selection a number of foci are set out below with some appropriate courses. Note that students are not limited to these areas but may focus their programmes wherever they wish provided that (i) an appropriate supervisor is available, (ii) consultation with that supervisor takes place, and (iii) the resources of the Department, as determined by the Head of Department, are appropriate and adequate. Area of focus will not be indicated on the students' transcript.

Focus in Marine Biology

Students wishing to focus on marine biology in their Biology Honours programme must fulfil all the requirements for an Honours degree in Biology as set out above. The following courses are recommended for this area of interest: Biology 2010, 2122, 2210,

3050, 3295, 3620, 3709, 3710, 3711, 3712, 4012, 4360, 4505, 4510, 4600, 4601, 4605, 4750, 4810. (Note: this list is only advisory; these are not required courses).

Focus in Cell/Molecular Biology

Students wishing to focus on cell biology/molecular biology in their Biology Honours programme must fulfil all the requirements for an Honours degree in Biology as set out above. The following courses are recommended for this area of interest: Biology 3050, either 3401 or 3402, 3500, 3530, 3540, 3620, 4000, 4040, 4241, 4245, 4402, 4404, 4605. (Note: this list is only advisory; these are not required courses).

Focus in Ecology – Evolution

Students wishing to focus on ecology and/or evolution in their Biology Honours programme must fulfil all the requirements for an Honours degree in Biology as set out above. The following courses are recommended for this area of interest: Biology 3041, 3295, 4360, 4504, 4605; either 4810 or 4820. (Note: this list is only advisory; these are not required courses)."

Page 220, following the heading Course List, amend "NOTE" to read "NOTES: 1)" and add the following new note:

"2) According to the nature of particular courses, the specified number of laboratory hours may consist of some combination of laboratory work, seminars or directed independent study relevant to the practical aspects of the subject matter."

Page 220, following the heading Course List, amend the following course descriptions/prerequisites as indicated:

"2122. Biology of Invertebrates. Prerequisites: Biology 1001 and 1002.

Delete the current prerequisite for 2210. Biology of Vertebrates and replace with the following:

"Prerequisites: Biology 1001 and 1002."

Delete the current prerequisite for 2600. Principles of Ecology and replace with the following:

"Prerequisites: Biology 1001 and 1002."

Delete the description for 3041. Boreal Flora in its entirety and replace with the following:

"The identification of the terrestrial vascular plants of Newfoundland and Labrador. Various aspects of floral biology, and the use of dichotomous keys will be covered.

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 1001 and 1002."

Delete the current prerequisite for 3050. Introduction to Microbiology and replace with the following:

" Prerequisites: Biology 1001 and 1002; Chemistry 2440 or 2400."

Delete 3060. Principles of Cell Biology in its entirety and replace with the following:

"2060. Principles of Cell Biology. A modern view of the biology of eukaryotic cells, organelles and molecules and their interactions in the functioning of living organisms.

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 1001, 1002 and 2250; Chemistry 2440 or 2400

Prerequisites or co-requisites: Physics 1021 or 1054; Biochemistry 2101

NOTE: Credit may not be obtained for both Biology 2060 and the former Biology 3060."

Delete the current prerequisite for 3202. Comparative Vertebrate Anatomy and replace with the following:

"Prerequisites: Biology 1001 and 1002."

Delete 3250. Principles of Genetics in its entirety and replace with the following:

"2250. Principles of Genetics. An introduction to Mendelian and molecular genetics. Phenotype and genotype, behaviour of alleles in genetic crosses, chromosome theory of inheritance, genetic linkage, molecular biology of DNA, RNA and protein, molecular basis of mutation, recombinant DNA, applications of genetic biotechnology.

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 1001 and 1002; Chemistry 1010 and 1011 (or 1050/1051).

Prerequisites or corequisites: Chemistry 2440 or 2400.

NOTE: Credit may not be obtained for both Biology 2250 and the former Biology 3250."

Delete the current prerequisite for 3401. Comparative Animal Physiology and replace with the following:

"Prerequisites: Biology 2060 and 2210."

Delete the current prerequisite for 3402. Principles of Plant Physiology and replace with the following:

"Prerequisites: Biology 2010 and 2060."

Delete the current prerequisite for 3500. Histology and replace with the following:

"Prerequisites: Biology 2060 and 2210."

Delete the current prerequisite for 3530. Developmental Biology and replace with the following:

"Prerequisites: 2060, 2122, 2210 and 2250."

Delete the current prerequisite for 3540. Histotechnique and replace with the following:

"Prerequisite: Biology 3500."

Delete the current prerequisite for 3610. Boreal Ecology and replace with the following:

"Prerequisites: Biology 2010, 2250, 2600 and 2900; Statistics 2550 or equivalent."

Delete the current prerequisite for 3620. Aquatic Microbial Ecology and replace with the following:

"Prerequisites: Biology 2600, 3050; Statistics 2550 or equivalent."

Delete the current prerequisite for 3709. Field Course in Marine Principles and Techniques and replace with the following:

"Prerequisites: Biology 2600 and 2900; Statistics 2550 or equivalent."

Delete the current prerequisite for 3711. The Ecology of Open Waters and replace with the following:

"Prerequisites: Biology 2010, 2122, 2600 and 3710."

Delete the current prerequisite for 3712. Benthic Biology and replace with the following:

"Prerequisites: Biology 2122, 2600 and 3710."

Delete the current prerequisite for 3750. Animal Behaviour I and replace with the following:

"Prerequisites: Biology 1001 and 1002, Statistics 2550 or equivalent."

Delete 3900. Principles of Evolution in its entirety and replace with the following:

"2900. Principles of Evolution and Systematics. An introduction to the processes and patterns of evolution, and the principles of classification. Natural selection and other microevolutionary processes, variation and adaptation, species and speciation, phylogenetic systematics, reconstruction of phylogeny, macroevolutionary patterns in the fossil record and their interpretation.

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 1001, 1002 and 2250.

Prerequisite of corequisite: Statistics 2550 (or equivalent)

NOTE: Credit may not be obtained for both Biology 2900 and the former Biology 3900."

Delete the current prerequisite for 4000. Bacterial Systematics and replace with the following:

"Prerequisites: Biology 2250 and 3050."

Delete the current prerequisite for 4012. Phycology and replace with the following:

"Prerequisites: Biology 2060 and 2600."

Delete the current prerequisite for 4040. Mycology and replace with the following:

"Prerequisites: Biology 2060 and 3050."

Delete 4130. Protozoology in its entirety from the calendar.

Delete 4181. Experimental Parasitology in its entirety from the calendar.

Delete the current prerequisite for 4182. Fisheries and Wildlife Parasitology and replace with the following:

"Prerequisites: Biology 4180."

Delete 4210. Remote Sensing in its entirety from the calendar.

Delete 4241. Molecular Genetics in its entirety and replace with the following:

"4241. Advanced Genetics. Advanced topics in modern genetic analysis, including regulation of gene expression, developmental genetics, molecular basis of inherited disease, genomics, immunogenetics, behavioural genetics, and molecular evolution."

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 2250; Biochemistry 2101."

Delete the current prerequisite for 4245. Biophysics and replace with the following:

"Prerequisite: Biology 2060."

Delete 4250. Evolutionary Genetics in its entirety and replace with the following:

"4250. Evolutionary Genetics. Advanced topics in the study of micro and macro-evolutionary phenomena. Genetic variation in natural populations; theory of genetic drift, mutation, migration, inbreeding, and natural selection; neutral theory of molecular evolution, patterns of nucleotide substitution, heritability and quantitative genetics.

Three hours of lecture and three hours of laboratory per week.

Prerequisites: Biology 2250, 2900."

Delete the current prerequisite for 4306. Applied Biology and replace with the following:

"Prerequisites: Biology 2060, 2250, 2600, 2900 and one of Biology 2010, 2122 and 2210."

Delete the current prerequisite and recommended prerequisite for 4360. Community and Ecosystem Ecology and replace with the following:

"Prerequisites: Biology 2250, 2600 and 2900 and one of Biology 2010, 2122 and 2210; Statistics 2550 or equivalent."

Delete the current prerequisite for 4404. Microbial Physiology and replace with the following:

"Prerequisites: Biology 2250 and 3050; Biochemistry 3106."

Delete the current prerequisite and recommended prerequisite for 4405. Systematics and Biogeography and replace with the following:

"Prerequisites: Biology 2250, 2600, 2900 and one of Biology 2010, 2122 and 2210."

Delete the current prerequisite for 4601. Functional Biology of Fish and replace with the following:

"Prerequisites: Biology 2060, 2210, and one of Biology 3401, 3402, 4404; Biochemistry 3106."

Delete the current prerequisite for 4750. Fisheries Ecology and replace with the following:

"Prerequisites: Biology 2600, 4605 and permission of the Instructor."

Delete the current prerequisite for 4810. Research Field Course in Marine Biology and replace with the following:

"Prerequisites: Biology 3710 and any two Biology 2010, 2122 and 2210. It is strongly recommended that students take Biology 3709 before 4810."

Page 222, delete the current course number for 4140. Nematology, and replace with "4441. Nematology".

Page 245, following the heading Requirements for a Major in Behavioural Neuroscience (B.Sc. only) amend the Biology courses listed in clause 3) to read as follows:

"3) Biology: 2060, 2210, 2250, 2900, 3050, 3160, 3202, 3401, 3500, 3530, 3540, 4200, 4241, 4245, 4402."

56.7 Department of Biochemistry

Page 210, following the heading Joint Programmes, subheading Biochemistry/Psychology (Behavioural Neuroscience), delete current clause (b) and replace with the following:

"(b) Biochemistry 2100, 2101, 3105, 3106, 3107, 311A/B, either 4210 or 4211, twelve credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, 4220.

NOTE: Only one of 4105 and 4220 may be chosen."

Page 211, following the heading Joint Programmes, subheading Joint Honours in Cell Biology/Microbiology and Biochemistry, delete current clause (a) and replace with the following:

"(a) Biochemistry 2100, 2101, 3105, 3106, 3107, either 4210 or 4211, twelve credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201."

Add immediately after clause (f) of this programme the following:

"NOTE: Students may count only one of the two courses, Biochemistry 4105 or Biology 4200, for credit in this programme."

Page 211, following the heading Joint Programmes, subheading Chemistry/Biochemistry Joint Honours Degree, delete current clause (d) and replace with the following:

"(d) Biochemistry 2100, 2101, 2102, 3105, 3106, 3107, 311A/B, either 4210 or 4211, twelve credit hours chosen from Biochemistry 4002, 4101, 4102, 4103, 4104, 4105, 4200, 4201, 4220.

NOTE: Only one of 4105, 4220 may be chosen."

Page 216, following the heading Biochemistry Programme, subheading Honours Degree in Biochemistry, in "Required Courses", amend clause (d) to read as follows:

"(d) At least six credit hours in courses from Biochemistry 3200, 3201, 4105, 4220, Biology 3050, 3060, 3250, 3530, 4200, 4245, 4404, Chemistry 4201, 4411."

Page 216, following the heading Nutrition Programme, subheading Honours Degree in Nutrition, amend clause (b) to read as follows:

"(b) Six additional credit hours chosen from Biochemistry 3105, 4101, 4103, 4104, 4105, 4200, 4201, 4210, 4211, 4220, 4400."

Department of Biochemistry (cont'd)

New Course

"4105. Immunology. (Same as Pharmacy 4105. This course is taught and administered by the School of Pharmacy). Introduction to the molecular and cellular basis of immunity and hypersensitivity. Discussion of the manipulation of the immune system in the management and treatment of disease.

Lectures/Tutorials: Three per week.

Prerequisites/Co-requisites: Biochemistry 2101, 311B.

NOTE: Credit may be obtained for only one of Biochemistry 4105, Pharmacy 4105 and the former Pharmacy 3105."

Page 216, 1999–2000 Calendar, following the heading Nutrition Programme, subheading Minor in Nutrition, amend clause a) to read as follows:

"a) Biochemistry 2101, 3106, 311A, 311B, 3200, 3201."

Delete clause b) in its entirety.

Re-letter clause c) as b).

Delete clause b) and replace with the following:

"b) Six credit hours chosen from Biochemistry 3202, 4300, 4301."

In the second paragraph add the following new sentence to the existing one to read as follows:

"Course prerequisites stipulated....to a minor in Nutrition. In particular, students should note that one of Chemistry 2440 or Chemistry 2401 are required as corequisites or prerequisites to several courses."

Page 217, 1999–2000 Calendar, following the heading Professional Programme in Dietetics, subheading Required courses at Acadia, in the first sentence of the first paragraph delete:

"twenty-one"

Replace with:

"eighteen"

Page 218, amend the prerequisites for Biochemistry 4002 to read as follows:

"Prerequisites: Biochemistry 2100 or Biology 3250; Biochemistry 3106.

Delete the current course description for Biochemistry 4301. Nutrition and Disease, and replace with the following:

"A course which addresses the scientific basis for nutritional intervention in chronic human disease."

Amend the prerequisites for Biochemistry 4301 to read as follows:

"Prerequisites: Biochemistry 311A/B, 3200/3201.

Add the following Note to both Biochemistry 499A/B and Biochemistry 4999:

"NOTE: Credit may be obtained for only one of Biochemistry 499B or Biochemistry 4999."

56.8 Faculty of Business Administration

Delete the current course description for Business 7000 and replace with the following:

"7000. Organizational Strategy. Emphasis is placed on the concepts of business and organizational strategy, and the formulation and implementation of strategy. These will be discussed from a senior management perspective and as the result of senior management decision-making. The student is expected to develop a facility in the strategic analysis of business and other types of organizations, and in strategy formulation and implementation. Theoretical concepts will be discussed and will be explored through case analysis.

Prerequisite: Business 2101, 2201, 3320, 3401, 3700, 4000, 4320, 4500, and 5301."

Page 386, following the heading Regulations for the Diploma in Business Administration, in clause 2) insert a new clause e) after clause d) as follows:

"e) Students planning to pursue their Bachelor of Business Administration or their Bachelor of Commerce (General) (see regulations for the general degrees of Bachelor of Business Administration and Bachelor of Commerce) are encouraged to note the prerequisites for 7000 (Organizational Strategy) and to plan their courses so that they have completed the prerequisites prior to the semester in which they plan to take 7000."

Page 386, following the heading Regulations for the General Degree of Bachelor of Commerce, subheading Curriculum, add the following to Clause 1:

"– Students are encouraged to note the prerequisites for 7000 (Organizational Strategy) and to plan their courses so that they have completed the prerequisites prior to the semester in which they plan to take 7000."

Page 389, following the heading Regulations for the General Degree of Bachelor of Business Administration, subheading The Curriculum, add new clause 2)b) as follows:

"b) Students are encouraged to note the prerequisites for 7000 (Organizational Strategy) and to plan their courses so that they have completed the prerequisites prior to the semester in which they plan to take 7000."

Re–letter the current clause 2)b) as 2)c)

56.9 Law and Society Minor

Page 167, 1999–2000 Calendar, following the heading Law and Society, subheading Regulations, amend the list of Anthropology courses included in clause 3., as follows:

"–Anthropology 2260, *2492, *3100, *3240, *3320, *4030, 4450"

56.10 Department of English

Page 144, 1999–2000 Calendar, following the heading Course List, insert the following new courses:

"2120. Introduction to Tragedy. This course introduces students to the theory, forms and strategies of tragedy through a selection of

works in English. The course emphasizes the teaching of various skills of research and essay writing, including the principles of documentation. This course qualifies as a Research/Writing course.

2121. Introduction to Comedy. This course introduces students to the theory, forms, and strategies of comedy through a selection of works in English. The course emphasizes the teaching of various skills of research and essay writing, including principles of documentation. This course qualifies as a Research/Writing course.

2122. Introduction to World Literature in English. This course introduces students to the significant body of literature written in English that stands outside the dominant British/North American canon. The course emphasizes the teaching of various skills of research and essay writing including principles of documentation. Students will be required to complete a major research project and to write several shorter essays. This course qualifies as a Research/Writing course."

56.11 Numeracy/Science Requirement for Bachelor of Arts

A memorandum dated December 1, 1999 was received from the Faculty Council of Arts forwarding calendar changes relating to the numeracy/science requirement for the Bachelor of Arts degree programme.

There was considerable discussion regarding the courses which were included in the proposal before Senate today, and a number of suggestions for amendments. However, Dean Murphy advised that the Faculty Council of Arts is preparing more detailed lists of courses to be included in the numeracy/science requirement and which will be forwarded to Senate at a later date.

It was moved by Dr. Treslan, seconded by Dean Murphy and carried, that the following calendar changes be approved.

Page 127, 1999–2000 Calendar, following the heading Degree Regulations, subheading Regulations for the General Degree of Bachelor of Arts, amend clause 2. c) to read as follows:

"c) Numeracy/Science Requirement. Six credit hours in courses chosen from the Science list below."

Page 127, 1999–2000 Calendar, following the heading Degree Regulations, subheading DISTRIBUTION OF HUMANITIES, SOCIAL SCIENCE, AND SCIENCE, amend the section SCIENCE, to read as follows:

"SCIENCE: Biochemistry, Biology, Chemistry, Computer Science, Earth Sciences, Economics 2010 & 2020, Geography, Mathematics and Statistics, Physics, Psychology, Science 1000."

56.12 Canadian Studies Major Programme

Page 138, 1999–2000 Calendar, following the heading Canadian Studies, amend clause 2. c) to read as follows:

"2. c) –Economics 3030, 3150, 3620*, 3711*, 4025, 4026."

56.13 Department of French & Spanish

Page 153, 1999–2000 Calendar, following the heading Course List, delete Notes 1) – 8) and replace with the following:

"Notes: 1) The Department of French and Spanish offers three consecutive credit courses in French language at the first-year university level, offering a complete overview of basic oral and written French. New students may choose to register initially in

French 1500 or 1501; a diagnostic test is offered to assist students with initial course selection or to confirm that initial course selection is appropriate. Students with a limited background in French should register for French 1500 and continue with 1501. Students with a strong background in high-school French should bypass 1500 and begin their university study with 1501, especially if they intend to proceed beyond the first-year level. Very well-prepared students may apply to the Department for permission to enter 1502 directly. Bypassing one or more of these courses may enable students to include a larger number of advanced electives in their degree programme. French 1500, 1501 and 1502 require four hours of instruction per week and one additional hour of language laboratory work.

2) French 2159 and 2160 are courses designed for former French immersion students as well as others with exceptional backgrounds in French, and are intended as an alternative to the 1500, 1501, 1502, 2100, 2101 sequence.

3) Students who have successfully completed one or more credit courses in French language will not subsequently be permitted to receive credit for courses judged by the Department to be of a lower level than those already completed. Students returning to the study of French after a absence should consult the Department for current information on these restrictions before registering.

4) Student wishing to enrol in courses numbered 4000 and above must have completed at least French 3700 and such additional prerequisites as may be specified (see individual calendar entries for details)."

Page 153, 1999–2000 Calendar, following the heading Course List, delete the following course descriptions:

"1010, 1011, 1050 and 1051"

Page 153, 1999–2000 Calendar, following the heading Course List, and after Note 4), add the following new courses:

"1500. Introduction à la langue française, niveau universitaire I.

Voir ci-dessus la note 1.

NOTE: Les étudiants ne peuvent obtenir de crédit pour Français 1500 et l'un ou l'autre des cours Français 1010 et 1011 (désormais supprimés).

1500. Introductory University French I.

See Note 1 above.

NOTE: Students may not receive credit for both 1500 and the former French 1010 or 1011.

1501. Introduction à la langue française, niveau universitaire II.

Voir ci-dessus la note 1.

NOTE: Les étudiants ne peuvent obtenir de crédit pour Français 1501 et Français 1050 (désormais supprimé).

1501. Introductory University French II.

See Note 1 above.

NOTE: Students may not receive credit for both 1501 and the former French 1050.

1502. Introduction à la langue française, niveau universitaire III.

Préalable: 1501, ou la permission du chef du département.

Voir ci-dessus la note 1.

NOTE: Les étudiants ne peuvent obtenir de crédit pour Français 1502 et Français 1051 (désormais supprimé).

1502. Introductory University French III.

See Note 1 above.

Prerequisite: 1501, or by permission of the head of the department."

NOTE: Students may not receive credit for both 1502 and the former French 1051.

Page 153, following the heading Course List, change the prerequisite of "1051" to "1502" for the following courses in both the English and French descriptions:

"2100, 2300, 2601, 2602 and 2900"

Page 155, 1999–2000 Calendar, Amend the title of the French version of French 4610 to read as follows:

"4610. Mouvement littéraire I."

Delete: "Préalable:"

Replace with: "Préalables:"

Amend the English version "Prerequisite" to "Prerequisites"

Page 155, amend the title of the French version of French 4620 to read as follows:

"4620. Mouvement littéraire II."

Delete: "Préalable:"

Replace with: "Préalables:"

Amend the English version "Prerequisite" to "Prerequisites"

Page 155, amend the title of the French version of French 4630 to read as follows:

"4630. Genre littéraire I."

Delete: "Préalable:"

Replace with: "Préalables:"

Amend the English version "Prerequisite" to "Prerequisites"

Page 155, amend the title of the French version of French 4640 to read as follows:

"4640. Genre littéraire II."

Delete: "Préalable:"

Replace with: "Préalables:"

Amend the English version "Prerequisite" to "Prerequisites"

Page 155, amend the French version of French 4650, as follows:

Delete "Préalable:"

Replace with

"Préalables:"

French 4650, the English version, amend "Prerequisite:" to "Prerequisites:"

Page 155, amend the French version of French 4660, as follows:

Delete the "Préalable" in its entirety and replace with the following:

"Préalables: Deux d'entre: 3500, 3501, 3502, 3503, 3504."

French 4660, the English version, amend "Prerequisite:" to "Prerequisites:"

56.14 Department of Geography

Page 158, 1999–2000 Calendar, following the heading Concentration in Geography (B.Ed. Candidates), amend the entry to read as follows:

"Candidates for the B.Ed. (Primary) or B.Ed. (Elementary) degrees with a concentration in Geography must complete at least 18 credit hours as follows:

- Geography 1010, 1011 (or 1000, 1001)
- Geography 2001, 2102, 2195 and 2302"

56.15 Medieval Studies Programme

Page 171, following the heading Medieval Studies, subheading Course List, following 3000. Medieval Books, insert the following:

"(Same as English 3002, History 3000, Religious Studies 3000)."

Page 146, following the entry for English 3001, insert the following:

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

Prerequisite: Medieval Studies 2000, 2001 or 2002 or permission of the instructor."

Page 164, following the entry for History 2701, insert the following:

"3000. Medieval Books. (Same as Medieval Studies 3000, English 3002, Religious Studies 3000). Examination of the development and role of the manuscript book during the Middle Ages. Topics covered will include book production and dissemination; authors, scribes

and audiences; and various kinds of books (e.g. glossed Bibles, anthologies, books of hours, etc.) and their uses.

Prerequisite: Medieval Studies 2000, 2001 or 2002 or permission of the instructor."

Page 179, following the entry for Religious Studies 2811, insert the following:

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

Prerequisite: Medieval Studies 2000, 2001 or 2002 or permission of the instructor."

Page 139, following the subheading Prerequisites, and preceding the subheading Course List, in a separate paragraph insert the following:

"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)."

Page 178, following the heading General Degree, subheading Major in Religious Studies, amend clause 3. to read as follows:

"3. Christian Thought and History: 3000, 3150, 3510, 3535, 3560, 3591, 3900, 3901, 3902, 3903, 4700 – 4730."

56.16 Department of Psychology

Page 244, 1999–2000 Calendar, following the heading Psychology, subheading Admission to Major and Minor Programmes, amend clause c) to read as follows:

"c) Mathematics 1000, or 1090 and 1000, or two of 1090, 1050, 1051 (or equivalents)."

Page 244, 1999–2000 Calendar, following the heading Psychology, subheading Requirement for a Major in Psychology, amend clause 2) a) to read as follows:

"2) a) Mathematics 1000 (or equivalent)."

Amend clause 3) to read as follows:

"3) Psychology Majors following the B.A. programme are also required to complete Mathematics 1000 or two of 1090, 1050, 1051 (or equivalents), and are encouraged to complete at least six credit hours in Biology and three credit hours in Computer Science."

Page 245, 1999–2000 Calendar, following the subheading Requirements for a Major in Behavioural Neuroscience (B.Sc. Only), amend clause 2) a) to read as follows:

"2) a) Mathematics 1000 (or equivalent) and 1001"

Page 247, 1999–2000 Calendar, following the subheading Majors Courses, amend the prerequisite for the course 2900. Design and Analysis I., to read as follows:

"Prerequisites: Psychology 1000 and 1001; Mathematics 1000 or two of 1090, 1050, 1051 (or equivalents)."

56.17 Diploma in Applied Ethics

At the request of Dean Murphy, it was agreed to defer consideration of this item, pending further discussions.

56.18 Department of History

Page 164, following the heading Course List, delete the entry for History 4998. Honours Comprehensive Examination in its entirety.

Page 163, following the heading History, subheading General Degree, amend clause g) by deleting "4998".

Page 164, following the heading Honours Degree, clause 3. delete "4998" from lines 5 and 8.:

Page 164, following the heading Honours Degree, amend the last sentence in clause 4. to read as follows:

"If the candidate chooses to do the Honours Essay (4999) in History, it must be passed with a grade of 70% or better."

56.19 Department of Psychology

Page 247, 1999–2000 Calendar, following the heading Majors Courses, amend the NOTE of the course description for Psychology 2620 to read as follows:

"NOTE: Credit may not be obtained for both Psychology 2620 and any of the following: Psychology 2610, Psychology 2625, and the former Psychology 2200."

Page 247, following the heading Courses, sub-heading Non-restricted courses, amend the NOTE of the course description for Psychology 3640 to read as follows:

"NOTE: Credit may not be obtained for both Psychology 3640 and any of the following: Psychology 3650, Psychology 3626, and the former Psychology 3600."

Page 247, 1999–2000 Calendar, following the heading Majors Courses, amend the NOTE of the course description for Psychology 3650 to read as follows:

"NOTE: Credit may not be obtained for both Psychology 3650 and any of the following: Psychology 3640, Psychology 3626, and the former Psychology 3600."

56.20 Department of Linguistics

Page 167, following the heading General Degree, amend clause 3) to read as follows:

"3) Students majoring in Linguistics must complete 42 credit hours in Linguistics, which must include the courses numbered 2103, 2104, 2210, 2500, 3000, 3100, 3104, 3201, 3850 plus at least twelve credit hours in courses chosen from 3105, 3155, 3212, 3500, 4001, 4110, 4150, 4201, 4210, 4220, 4350, 4400, 4500, 4700, 4850, 4950 (or 4951). Of these twelve credit hours, nine must be at the 4000 level.

NOTES: 1) Students intending to pursue graduate work in Linguistics should include 3500, 4201 and at least one of 4001 and 4110 in their programmes.

2) Students should note that 4350, 4950 and 4951 may have prerequisites which are not included in the set of courses required for the major.

3) Students should note that some of the courses listed above (e.g. 4150, 4220, 4350, 4400, 4850, 4950, 4951) will not be offered at regular intervals."

Page 168, following the heading Minor Programmes, amend clauses 3)c), and 4), as follows:

Add "Linguistics 3105"

Page 168, following the heading Minor Programmes, amend clause 3)b) to include the following course under the optional course list:

"3105 and 3155"

Page 168, following the heading Course Descriptions, amend the course title for Linguistics 3212 to read as follows:

"3212. Language and Gender"

And delete the phrase: "(Usually offered in alternate years)."

Amend the course description for Linguistics 4220 to include the following addition at the end of the course description but before the prerequisites:

"(Not offered at regular intervals)."

Amend the course description for Linguistics 4150 and 4350 by deleting:

"(Usually offered in alternate years)."

Replace with:

"(Not offered at regular intervals)."

56.21 Sir Wilfred Grenfell College

Page 79, 1999–2000 Calendar, following the heading Bachelor of Arts Degree Programmes, delete the section entitled Specialization in Cognitive Studies in its entirety.

Page 108, 1999–2000 Calendar, following the heading Bachelor of Fine Arts (Visual Arts), amend paragraph two and three to read as follows:

"In addition to Studio and Art History courses, the student will take a number of appropriate academic courses from disciplines other than Visual Arts, chosen in consultation with the programme chair. It is intended that academic courses be chosen which will enhance the Bachelor of Fine Arts (Visual Arts) programme and provide, as far as possible, a broad exposure to the liberal arts. The first year of the programme consists of intensive foundation of co-requisite courses in Drawing, Two-Dimensional Design and Three-Dimensional Design in preparation for Introductory studio courses in the second year and intermediate studio courses in the third year. In the fourth year, the 4950/4951 studio courses are conducted as tutorials, that is students will work independently on projects and confer regularly with instructors.

It is recognized that students in the Bachelor of Fine Arts (Visual Arts) programme must have occasional opportunities to view important works of art first-hand. Arrangements will therefore be made where possible for students to visit major art centres."

Page 108, following the subheading Admission Requirements, amend the first sentence in clause 2. to read as follows:

"All applicants will...before April 15th of the year in which entry is sought."

Following the subheading General Notes, amend the first sentence in clause 2. to read as follows:

"The Bachelor of Fine Arts...students will normally be enrolled for full-time study."

Delete clauses 3. and 4.and replace with the following:

"3. Where circumstances warrant, any prerequisite(s) or co-requisite(s) for Visual Arts courses may be waived by the Programme Chair.

4. Any Visual Arts regulations may be waived upon request of the Programme Chair by the appropriate Committee of Undergraduate Studies."

Following the subheading General Notes, delete clause 5. in its entirety.

Page 109, following the subheading Degree Regulations, amend paragraph one as follows:

"To be awarded ... complete 120 credit hours as follows:"

Amend clause 2. to read as follows:

"2. Eighteen credit hours in academic elective courses chosen from disciplines other than visual arts in consultation with the Programme Chair."

Amend clause 5. to read as follows:

"5. Three of a, b, c, d, or e.

a) Visual Arts 2100/2101

b) Visual Arts 2200/2201

c) Visual Arts 2310/2311, and/or 2320/2321

d) Visual Arts 2400/2401

e) Visual Arts 2600/2601"

Amend the first sentence in clause 6. to read as follows:

"6. Two of a, b, c, d, or e."

Delete clause 7. and replace with the following:

"7. Visual Arts 4950/4951"

Amend clause 8. to read as follows:

"8. Six additional credit hours in studio electives at 2000 or 3000 level."

Delete clause 9. in its entirety.

Amend Notes 1) and 2) to read as follows:

"NOTES: 1) Visual Arts 2300 and 2301 and Visual Arts 1000 and 1001 are not accepted as credits towards the Bachelor of Fine Arts (Visual Arts) degree.

2) Graduation Work. One work of art done during the fourth year will be selected by the visual arts programme, in consultation with the student, and retained for the permanent collection of the College."

Amend the Programme as follows:

"Programme Example:

Year 1 – Foundation Year

-Drawing 1 (100A/B)

-Two-D Design (110A/B)

-Three-D Design (120A/B)

-Six credit hours in Art History Survey I, II (2700/2701)

-Six credit hours in English Language and Literature

Year 2

-Second Year Drawing I, II (2000/2001)

Sir Wilfred Grenfell College (cont'd)

-Two of:

-Introductory Painting I, II (2100/2101)

-Introductory Sculpture I, II (2200/2201)

-Introductory Printmaking I, II (2310/2311 or 2320/2321)

-Introductory Photography I, II (2400/2401)

-Six credit hours in Art History Courses

-Six credit hours in Academic Electives*

Year 3

-Intermediate Drawing I, II (3000/3001)

-One of:

-Introductory Digital Imaging I, II (2600/2601)

-Intermediate Painting I, II (3100/3101)

-Intermediate Sculpture I, II (3200/3201)

-Intermediate Relief and/or Intaglio I, II (3310/3311) or

-Intermediate Serigraphy and/or Lithography I, II (3320/3321)

- Intermediate Photography I, II (3400/3401)
- Multi-Media I, II (3500/3501)
- Six credit hours in 2000 or 3000 level Studio Electives
- Six credit hours in Art History Courses
- Six credit hours in Academic Electives*

Year 4

- Independent Projects in Studio I, II (4950/4951) 3 credit hours each
- Twelve credit hours in 2000 or 3000 level Studio Electives
- Six credit hours in Art History Courses
- Six credit hours in Academic Electives*

*To be chosen in consultation with the Programme Chair."

Page 111, 1999–2000 Calendar, following the subheading 4th Year, delete all courses and add the following:

"4950. Independent Projects in Studio I. Under the supervision of a faculty member, students will produce an independent body of exploratory work and a related written artist statement and description of the progress and development of their work. Students are required to present the written component and body of work at a term end critique with all members of faculty. Attendance required.

Prerequisites: 54 credit hours of studio courses.

4951. Independent Project in Studio II. Under the supervision of a faculty member, students will produce an independent body of

consistent work and a related written artist statement and final description of the work. Students are required to present the written component and body of work at a term end critique with all members of the faculty. Attendance required.

Prerequisite: Visual Arts 4950."

Page 111, following the subheading Art History Courses, insert the following new courses:

"4950. Independent Projects in Studio I. Under the supervision of a faculty member, students will produce an independent body of exploratory work and a related written artist statement and description of the progress and development of their work. Students are required to present the written component and body of work at a term end critique with all members of faculty. Attendance required.

Prerequisites: 54 credit hours of studio courses.

4951. Independent Project in Studio II. Under the supervision of a faculty member, students will produce an independent body of consistent work and a related written artist statement and final description of the work. Students are required to present the written component and body of work at a term end critique with all members of the faculty. Attendance required.

Prerequisite: Visual Arts 4950."

Page 111, following the subheading Art History Courses, delete the course descriptions for 4730 and 4731 and replace with the following:

"4730. Art History: Modern Art I: Precursors to Modernism. (Same as History 4730 ["Same as Visual Arts 4730" on p. 99]). An examination of the cultural, social, and political forces that, from

1750 to 1850, were to have a major impact on modernity and later modern art.

4731. Art History: Modern Art II: Early Modernism. (Same as History 4731 ["Same as Visual Arts 4730" on p.99]). An examination of the various cultural and social forces between 1850 and 1914 that shaped the rise of the Modern movement."

Page 99, following the heading Mathematics and Statistics, amend the course description for Mathematics 1090 as follows:

Delete "Four hours per week."

Replace with:

"Four hours of lecture and a three hour laboratory period per week."

Page 85, before the entry for Articulation Agreement with WestViking College, insert the following:

"ARTICULATION AGREEMENT WITH COLLEGE OF THE NORTH ATLANTIC

Students who have graduated from the two year Adventure Tourism Diploma Programme offered by the College of the North Atlantic, Corner Brook Campus, or who are in their final semester of this programme, can apply for entry with advanced standing into the Environmental Studies Degree Programme offered by Sir Wilfred Grenfell College.

Students who are entering the Outdoor Environmental Pursuits concentration will be given unspecified credits for 33 credit hours towards the 120 credit hour degree programme. There will be 9

credit hours towards the elective requirements of this degree, 6 credit hours towards the Environmental Studies core courses for the degree and 18 credit hours towards the concentration requirements. Included in these unspecified credit hours will be 3 credit hours for unspecified writing courses, 6 credit hours towards group C, and 3 credit hours towards group D, general education requirements. This totals the credit hour value of 33 toward the Outdoor Environmental Pursuits concentration of the Environmental Studies Degree programme.

Students who are entering the Environmental Perspectives concentration will be given unspecified credit for 24 credit hours towards the 120 credit hour degree programme. There will be 12 credit hours towards the elective requirements of this degree, 6 credit hours towards the Environmental Studies core course requirements and 6 credit hours towards the concentration requirements. Included in these unspecified credit hours will be 3 credit hours for unspecified writing courses, 6 credit hours towards group C, and 3 credit hours towards group D, general education requirements. This totals the credit hour value of 24 toward the Environmental Perspectives concentration of the Environmental Studies Degree Programme.

Students gaining entry into the Environmental Studies Degree programme at SWGC will need to satisfy all other core programme requirements, specified by the Grenfell degree. As well, they need to satisfy all other credits in their concentration that remain.

Upon admission into the Environmental Studies Programme, such students will be required to complete the following:

Core Programme Requirements

- Six (6) credit hours from SWGC required science literacy
- Twenty-seven (27) credit hours from the writing courses

- Three (3) credit hours from Group D, General Education
- Six (6) credit hours from either Group A or Group B, General Education
- Pass the General Mathematics Skills Test
- Six (6) credit hours from SWGC required numeracy courses
- The following forty-five (45) credit hours from the Environmental Studies core

Anthropology 3083 Geography 1001

Economics 2010 Geography 2102

Environmental Science 2370 Geography 2220

Folklore 2600 Geography 3325

Philosophy 2809

Political Science 3731

Environmental Studies 2000

Environmental Studies 3000

Environmental Studies 4000

Environmental Studies 4010

Environmental Studies 4950

Additional Requirements (Based on Concentration)

Outdoor Environmental Pursuits

- Twenty-one (21) elective credit hours.

-Three (3) credit hours toward the Outdoor Pursuits concentration.

-Recreation 4575

OR

Environmental Perspectives

-Eighteen (18) elective credit hours.

-Fifteen (15) credit hours towards Environmental Perspectives concentration.

-Geography 3901 and 4 of the following courses, at least 2 of which must be at the third or fourth year level:

Anthropology 3080 Political Science 3550

Biology 2041 Religious Studies 3880

Environmental Science 2371 Sociology 2120

Folklore 2401

Geography 2302"

Page 80, following the heading Specialization in Historical Studies, subheading Degree Regulations, delete clause 1.

Amend clause 2 to read as follows:

"2. Students must complete a twelve-credit hour Historical Studies core specialization requirement consisting of History 1100, History 1101, History 3840 and History 4950 (Independent Project)."

Following the sub-heading Specialization in Historical Studies, subheading Degree Regulations, amend clause 3 to read as follows:

"3. In addition to the requirements in (1) above, students will be required to take 12 credit hours from courses in each of the two following categories: Early Western History and Later Western History.

NOTE: When selecting ... area of specialization."

Re-number current clauses as 1 through 8.

Page 98, following the heading History insert the following course:

"2320. Medieval Europe to 1050. A survey of the economic, social, political and cultural developments of the early Middle Ages.

NOTE: Credit may not be obtained for both History 2330 and the former History 2030."

Page 98, following the heading History, amend the Note for the course 1101. Introduction to History as follows:

"Note: This course may not be taken for credit by students who have completed History 1001. Students in their first year normally take History 1100 and History 1101."

Page 98, following the heading History, amend the entry for History 2100 to read as follows:

"2100. Empires of the North Atlantic, 1500–1820. This course will examine European expansion across the Atlantic to North America, the attempt to take possession of that continent through

commercial investment and colonies, and the way in which European colonies were transformed into new societies."

Page 83, following the heading Specialization in Environmental Science, subheading Environmental Science Core, in clause a) delete the following:

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

Replace with:

"One of Physics 1020* or 1050* and one of Physics 1021* or 1054*"

Page 83, following the heading Specialization in Environmental Science, subheading Biology stream, amend "ENVS 3110, 3130, 3131, 4132, 4140 or a field course acceptable to the Chair" to read as follows:

"ENVS 3110, 3130, 3131, 4132, 4140 (or an equivalent field course)"

Page 83, following the heading Specialization in Environmental Science, subheading Biology stream, delete the following:

"One other Science or Statistics laboratory course beyond the first year level approved by the Unit."

Replace with:

"One additional Science or Statistics laboratory course beyond the first year level excluding Environmental Science Core courses."

Page 83, following the heading Specialization in Environmental Science, subheading Chemistry stream, amend the courses listed for Environmental Science to include:

"2261"

Amend Mathematics 1001* to read as follows:

"Mathematics 1001"

Page 83, 1999–2000 Calendar, following the heading Specialization in Environmental Science, subheading Chemistry stream, delete the following:

"*It is strongly recommended that students complete asterisked courses in their first year."

Replace with:

"NOTE: It is strongly recommended that students complete Mathematics 1001 in their first year."

Page 83, 1999–2000 Calendar, following the heading Requirements for Honours in Environmental Science (B.Sc.), delete the courses under BIOLOGY STREAM and replace with the following:

"Biology 2010, 2122, 2600

Three of: Environmental Science 2261, 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000.

Environmental Science 3110, 3130, 3131, 4132, 4140 (or equivalent)

Three of: Environmental Science 4069, 4131, 4133, 4240, 4479

Environmental Science 4000, 4951, 4959"

Page 83, following the heading Requirements for Honours in Environmental Science (B.Sc.), delete the courses under CHEMISTRY STREAM and replace with the following:

"Chemistry 2210, 2300, 2400, 2401

Two of: Environmental Science 2360, 2370, 2371, 2430, 2450, 3072, 3470, or Environmental Studies 2000.

Environmental Science 2261, 3210, 3211, 3260, 3261, 4230

Three of: Environmental Science 4069, 4131, 4240, 4249, 4479

Environmental Science 4000, 4951, 4959"

Page 91, following the heading Chemistry, for the course 2210. Introductory Inorganic Chemistry, delete the "NOTE" in its entirety and amend the prerequisite to read as follows:

"Prerequisites: Chemistry 1001 (or 1031 or 1051), Mathematics 1000."

Following the heading Chemistry, for the course 2300. Introductory Physical Chemistry, delete the "NOTE" in its entirety and amend the prerequisite to read as follows:

"Prerequisites: Chemistry 1001 (or 1031 or 1051), Mathematics 1001, Physics 1054 (or 1021)."

Following the heading Chemistry, for the course 2440. Organic Chemistry for Biologists, amend the prerequisite to read as follows:

"Prerequisite: Chemistry 1001 (or 1011 or 1051)."

Page 94, Following the heading Environmental Biology Courses, for the course 3131. Impacted Terrestrial Ecosystems, amend the prerequisite to read as follows:

"Prerequisites: Biology 2600; and two of Biology 2010, 2122, 2210 or permission of the instructor and Programme Chair."

Following the heading Environmental Chemistry Courses, for the course 2261. Survey of Environmental Chemistry, course description amend "(TOC's)" to read "(TOCs)", and amend "PCB's" to read "PCBs".

Following the heading Environmental Chemistry Courses, for the course 3260. Industrial Chemistry, course description amend "PBC's" to "PBCs, and amend the prerequisite to read as follows:

"Prerequisites: Chemistry 2210, 2401, and Environmental Science 2261 or permission of the instructor and Programme Chair."

Following the heading Environmental Chemistry Courses, for the course 4240. Organic Chemistry of Biomolecules, amend the prerequisite as follows:

"Prerequisites: Chemistry 2401 or 2440 or permission of the instructor and Programme Chair."

Following the heading Environmental Biology Courses, for the course 4140. Environmental Science Field Course, amend the prerequisite to read as follows, and add the following NOTE:

"Prerequisites: Biology 2600, Statistics, 2550, with a minimum of eighty credit hours from Environmental Science Programme (or equivalents) and permission of the instructor and Programme Chair.

NOTE: See APICS Field Course List at http://139.103.16.55/ftp_serv/bio/conf/intro.htm

Transfer of credit regulations apply."

Page 95, following the heading Other Environmental Science Courses, for 3072. Comparative Marine Environments, amend the prerequisite to read as follows:

"Prerequisite: Environmental Science 2371."

Following the heading Other Environmental Science Courses, for 4950. Research Project in Environmental Science I, amend the last line in the course description to read as follows:

"Students are required to submit a report and give a presentation."

Following the heading Other Environmental Science Courses, for 4959. Research Project in Environmental Science II, amend the first and second sentences to read as follows:

"This is a continuation of Environmental Science 4951 specifically for Honours students. Under the supervision of faculty member(s), students will carry out ..."

Page 94, following the heading Environmental Chemistry Courses, for the course 3211. Environmental Analytical chemistry II, amend the Lectures and Laboratory as follows:

"Lectures and Laboratory: Not more than seven hours per week."

Following the heading Environmental Chemistry Courses, for the course 4230. Aquatic Chemistry I, amend the Prerequisite and Lectures and Laboratory as follows:

"Prerequisites: Environmental Science 3211 or permission of the instructor and Programme Chair.

Lectures and Laboratory: Not more than seven hours per week."

Page 102, following the heading Survey Courses, for the course 2625. Survey of Personality, amend the NOTE as follows:

"NOTE: Credit may not be obtained for Psychology 2625 and either of Psychology 2610 or Psychology 2620."

Page 102, following the heading Contemporary Issues Courses, for the course 3626. Contemporary Issues in Abnormal Psychology, amend the NOTE as follows:

"NOTE: Credit may not be obtained for Psychology 3626 and either of Psychology 3640 or Psychology 3650."

56.22 School of Physical Education, Recreation and Athletics

Page 283, 1999–2000 Calendar, following the heading School of Physical Education, Recreation and Athletics, delete the box and the information contained within in its entirety.

Following the heading School of Physical Education, Recreation and Athletics, subheading General Comments, delete the following from paragraph 3:

"A Bachelor of Kinesiology (Co-operative) consists of..." to the heading COURSES AVAILABLE TO STUDENTS NOT ENROLLED IN THE BACHELOR OF KINESIOLOGY (CO-OPERATIVE), BACHELOR OF PHYSICAL EDUCATION (CO-OPERATIVE) OR THE BACHELOR OF RECREATION (CO-OPERATIVE).

Replace with:

"The School of Physical Education Recreation and Athletics offers the following 8 undergraduate programmes.

1). The Bachelor of Kinesiology (Co-operative) normally consists of seven academic terms and three work terms in positions related to the student's future career. The Bachelor of Kinesiology (Co-operative) degree programme consists of core Kinesiology courses in addition to a flexible choice of electives. This degree programme is designed to prepare graduates for work outside a school system in health, fitness, ergonomics and lifestyle industries. Following completion of this degree programme, students may wish to apply to the Canadian Kinesiology Association for accreditation.

2). The Bachelor of Kinesiology Honours (Co-operative) signifies superior academic achievement normally consisting of seven academic terms and three work-term positions related to the student's future career.

3). The Bachelor of Physical Education (Co-operative) at Memorial University is a Co-operative Programme, under which regular full-time academic terms are alternated with full-time work terms in positions related to the student's future career. The Bachelor of

Physical Education (Co-operative) Programme normally consists of six academic terms and three work terms. The six academic terms are designed with a common curriculum extending over the first two terms. There are two options to choose from in completing the Bachelor of Physical Education (Co-operative) Degree or the Bachelor of Physical Education Honours (Co-operative) Degree:

i) Teaching – designed to be followed by the Bachelor of Education (Intermediate/Secondary) Degree:

This option of the degree programme contains courses in curriculum planning, teaching methods and practice relevant to physical education curricula for various age groups. There will be an emphasis on placing the student in a school or teaching position for some of the work terms. The student normally completes the Bachelor of Education (Intermediate/Secondary) degree programme following the Bachelor of Physical Education (Co-operative) and will then be prepared for a career within a school setting.

ii) General – designed to provide basic professional preparation.

The generalist option of the programme consists of core courses common to the other options plus a flexible choice of electives, without the requirement for curriculum and methods courses necessary for the Bachelor of Physical Education (Co-operative) and the Bachelor of Education (Intermediate/Secondary) combination. This stream is designed to prepare graduates for work outside a school system.

4). The Bachelor of Physical Education Honours (Co-operative) programme requires additional courses in Physical Education (or in approved related fields) and superior academic achievement. The Bachelor of Physical Education Honours (Co-operative) Programme normally consists of seven academic terms and three work terms.

5). The Bachelor of Recreation (Co-operative) normally requires seven regular full-time academic terms that are alternated with three full-time work terms in positions related to the student's future career. This is designed to provide students with the opportunity to develop professional competencies in several aspects of leisure service management: conceptual foundations of recreation and leisure; professionalism in leisure services; leisure services delivery systems, programming strategies; assessment; planning and evaluation; administration and management; and legislative and legal aspects of recreation. The students will also gain an understanding of the social, physical, psychological, cultural, economic, and political issues that influence leisure participation, delivery, and management.

6). A Bachelor of Recreation Honours (Co-operative) programme requires specific courses in Recreation and superior academic achievement and normally requires seven regular full-time academic terms that are alternated with three full-time work terms in positions related to the student's future career.

7). The Bachelor of Recreation is a non-co-operative degree programme comprised of 40 courses, 120 credit hours. This programme may be completed either on a full or part-time basis.

8). The Bachelor of recreation Honours programme requires specific courses in Recreation and superior academic achievement.

Work Terms:

During work terms, as required of the Bachelor of Kinesiology (Co-operative), Bachelor of Physical Education (Co-operative) and the Bachelor of Recreation (Co-operative), students are brought into direct contact with the kinesiology/physical education/recreation profession, exposed to actual practical problems, expected to assume ever-increasing responsibility in employment as their education advances, and introduced to experiences far beyond the

scope of those which could be provided in the University. The experiences should provide maturing prospective graduates with an early appreciation for the personal, social and economic aspects of physical education/recreation through direct association with professionals in a work environment.

Much of the experience gained in the co-operative programmes would not be available to students until after graduation, in conventional programmes. This experience makes a significant contribution to their total education. Normally these programmes are offered at the St. John's campus; however, students may be required to complete course work outside the St. John's campus (e.g. Harlow, England; Aberdeen, Scotland; Maine, USA)."

Page 284, following the heading Courses Available to Students Not Enrolled in the Bachelor of Kinesiology (Co-operative), Bachelor of Physical Education (Co-operative) or the Bachelor of Recreation (Co-operative), subheading Physical Education Courses, add the following:

"3490. Women in Sport and Physical Activity"

Page 284, 1999–2000 Calendar, following the heading Courses Available to Students Not Enrolled in the Bachelor of Kinesiology (Co-operative), Bachelor of Physical Education (Co-operative) or the Bachelor of Recreation (Co-operative), subheading Recreation Courses, delete the following:

"3590. Women in Sport, Physical Activity and Leisure

4575. Recreation Ethics, Issues and Trends

4625. Theoretical Perspectives of Recreation and Leisure"

Add the following:

"2515. Social Psychology of Leisure

2545. Introduction to Outdoor Recreation and Education

3515. Outdoor Recreation and Persons with Disabilities

3585. Recreation and Persons with Disabilities

3595. Women and Leisure"

Amend 4525. Strategic Planning for Recreation to the following:

"4525. Planning for Recreation"

Page 288, following the heading Regulations for the Degree of Bachelor of Recreation (Co-operative), delete clause 5) and renumber clauses 6) – 10) as 5) – 9).

Page 288, following the heading Regulations for the Degree of Bachelor of Recreation (Co-operative), subheading Programme of Study, delete clauses 1) – 5) and replace with the following:

"1) A total of one hundred and twenty credit hours are required for the Bachelor of Recreation (Co-operative) programme. Every candidate shall be required to complete three work terms.

2) Courses shall normally be taken in academic terms in the sequence, order and load as set out in TABLE 3 – BACHELOR OF RECREATION (CO-OPERATIVE) DEGREE PROGRAMME. Academic terms and work periods shall normally be taken in the sequence as set out in TABLE 4 – PLAN OF OPERATION BACHELOR OF RECREATION (CO-OPERATIVE) DEGREE PROGRAMME.

3) The courses required for the Bachelor of Recreation (Co-operative) programme are as follows:

a) English 1080

b) Mathematics 1000; or 6 credit hours chosen from Mathematics 1050/1051 or Mathematics 1090/1000

c) Statistics 2500

d) Sociology 1000 or 2000 (or equivalent)

e) Business 2000 or English 1110 (or equivalent)

f) Business 1000 and 1201

g) An academic minor of at least twenty-four credit hours (NOTE: Students must follow the minor programmes listed in the appropriate Faculty/School Regulations).

H) Three or six credit hours chosen from any subject area outside the School from other than those listed above in Clauses a) – g).

i) Recreation 2000, 2505, 2515, 3340, 3525, 3535, 3555, 3565, 3575, 4525, 4545, 4555, 4575, 4585, 4600 and 4605.

j) Eighteen or twenty-one credit hours in elective Recreation, Physical Education, or Kinesiology courses.

k) Three work terms, each of a semester's duration.

4) The need for a specific course(s) or work term requirement(s) may be waived by the Committee on Undergraduate Studies of the School for students who apply for exemption from the course(s) or work term requirement(s) in question. Students requesting exemption from any work term requirement must submit medical and/or other evidence to support such exemption, to the Committee on Undergraduate Studies of the School. Notwithstanding the preceding, students must successfully complete a minimum of two work terms."

Page 289, 1999–2000 Calendar, delete tables 3 and 4 in their entirety and replace with the following:

TABLE 3 –BACHELOR OF RECREATION (CO-OPERATIVE) PROGRAMME

	Fall Semester	Winter Semester	Spring Semester
Year 1	Academic 1	Academic 2	Open
	Recreation 2000		

Business 1000

English 1080

Math 1000, 1090, or 1050

Minor Subject Course or Elective
Recreation 2505

Recreation 3525

Business 2000 or English 1110

Math 1000 or 1051

Minor Subject Course or Elective

Year 2	Academic 3	Academic 4	Work Term 1
	Recreation 3535		

Recreation 4545

Recreation 4600

RECR/PHSD/KIN Elective

Sociology 1000 or 2000

Minor Subject Course or Elective
Recreation 2515

Recreation 3340

RECR/PHSD/KIN Elective

Business 1201

Statistics 2500

Minor Subject Course or Elective

Year 3 Academic 5 Work Term 2 Academic 6
Recreation 3575

Recreation 4525

Recreation 4605

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective
Recreation 3555

Recreation 3565

Recreation 4555

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective
Year 4 Work Term 3 Academic 7
Recreation 4575

Recreation 4585

RECR/PHSD/KIN Elective

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective

TABLE 4

PLAN OF OPERATION

THE CO-OPERATIVE BACHELOR OF RECREATION PROGRAMME

Year

of

Entry

	2000	2001	2002	2003	2004
--	------	------	------	------	------

Sep-

Dec

Jan-

Apr

May-

Aug

Sep-

Dec

Jan-

Apr

May-

Aug

Sep-
Dec
Jan-
Apr
May-
Aug
Sep-
Dec
Jan-
Apr
May-
Aug
Sep-
Dec
2000 Term
1
Term
2
Open Term
3
Term
4
Work
Term
1
Term
5
Work

Term

2

Term

6

Work

Term

3

Term

7

2001

Term

1

Term

2

Open

Term

3

Term

4

Work

Term

1

Term

5

Work

Term

2

Term

6

Work

Term

3

2002

Term

1

Term

2

Open

Term

3

Term

4

Work

Term

1

Term

5

2003

Term

1

Term

2

Open

Term

3

Page 291, following the heading Evaluation and Promotion, add the following:

"(These Regulations apply to all programmes except the Bachelor of Recreation and the Bachelor of Recreation Honours which have separate Evaluation and Promotion Regulations)."

Page 291, following the entry for Evaluation and Promotion, but before the heading Regulations for the Degree of Bachelor of Kinesiology Honours (Co-operative), insert the following:

"Regulations for the Degree of Bachelor of Recreation

Admission

1) Admission to the Bachelor of Recreation programme is on the basis of competition for a limited number of places. The final decision on admission rests with the Admissions Committee of the School.

2) Application forms are available from the Office of the Registrar. Applications for part-time or full-time admission should be submitted no later than March 1 of the year in which admission is sought.

3) All applications for admission or re-admission to the Bachelor of Recreation programme must be submitted to the Office of the Registrar. A complete application includes an application to the School, an application to the University (for those who have not attended Memorial University in the preceding 2 semesters), and any supporting documentation.

NOTES: 1) Prior experience in recreation leadership may be considered during the admission process.

2) Admission/re-admission to the University does not necessarily constitute admission/re-admission to the Bachelor of Recreation programme.

4) To be considered for direct-entry from high school to the Bachelor of Recreation programme, students, in addition to meeting the general admission requirements of Memorial University of Newfoundland as outlined in the University Calendar, must be eligible to enter Math 1000, 1090, 1050 or 1051.

5) Applicants seeking admission to the Bachelor of Recreation programme through transfer from within Memorial University of Newfoundland or other accredited post-secondary programmes or institutions must have achieved a minimum overall average of 65% to be considered for admission. The applicant is responsible for having official transcripts and other supporting documentation forwarded from the relevant institution(s) to the Office of the Registrar. Transfer students from other post-secondary programmes or institutions will be considered for advanced standing as determined by the Admissions Committee of the School.

6) Students who have been admitted to a particular degree programme offered by the School and who wish to change to another degree programme within the School must submit a new Application form to the Office of the Registrar that may be considered in competition with all other students as time and resources permit.

7) Transcripts and other documentation must be submitted in English and all translations of documentation must be certified. Students may be required to demonstrate, by test, their proficiency in English (see University General Regulations).

8) In special cases, the Committee on Undergraduate Studies of the School, on the recommendation of the Admission Committee, may waive the admission requirements, or deny admission to any student.

NOTE: Students who decline the offer of admission, or who do not register for and successfully complete at least 6 credit hours applicable to the Bachelor of Recreation degree programme during each academic year will not be permitted to continue. Such students, if they wish to be subsequently considered for admission, must submit a new application that will be considered in competition with other students.

Programme of Study

1) A total of one hundred and twenty credit hours are required for the Bachelor of Recreation programme.

2) Courses shall normally be taken in the suggested course sequence as set out in TABLE 5 – BACHELOR OF RECREATION DEGREE PROGRAMME.

3) The one hundred and twenty credit hours required for the Bachelor of Recreation Degree programme are as follows:

a) English 1080

b) Mathematics 1000; or 6 credit hours chosen from Mathematics 1050/1051 or Mathematics 1090/1000

c) Statistics 2500

d) Sociology 1000 or 2000 (equivalent)

e) Business 2000 or English 1110 (or equivalent)

f) Business 1000 and 1201

g) An academic minor of at least twenty-four credit hours. (NOTE: Students must follow the minor programmes listed in the appropriate Faculty/School Regulations).

h) Three or six credit hours chosen from any subject area outside the School from other than those listed above in Clauses 3) a) – g).

i) Recreation 2000, 2505, 2515, 3340, 3525, 3535, 3555, 3565, 3575, 3605, 4525, 4545, 4555, 4575, 4585, and 4605.

j) Eighteen or twenty-one credit hours in elective Recreation, Physical Education, or Kinesiology courses.

4) The need for a specific course(s) may be waived by the Committee on Undergraduate Studies of the School for students who apply for exemption from the course(s) in question. Students requesting exemption from any course requirement must submit medical and/or other evidence to support such exemption, to the Committee on Undergraduate Studies of the School.

TABLE 5 – BACHELOR OF RECREATION PROGRAMME

	Fall Semester*	Winter Semester*	Spring Semester*
Year 1	Academic 1	Academic 2	Open
	Recreation 2000		

Business 1000

English 1080

Math 1000, 1090, or 1050

Minor Subject Course or Elective
Recreation 2505

Recreation 3525

Business 2000 or English 1110

Math 1000 or 1051

Minor Subject Course or Elective

Year 2 Academic 3 Academic 4 Academic 5**
Recreation 3535

Recreation 4545

Recreation 4600

RECR/PHSD/KIN Elective

Sociology 1000 or 2000

Minor Subject Course or Elective
Recreation 2515

Recreation 3340

RECR/PHSD/KIN Elective

Business 1201

Statistics 2500

Minor Subject Course or Elective
Recreation 3555

Recreation 3565

Recreation 4555

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective
Year 3 Academic 6 Academic 7
Recreation 3575

Recreation 4525

Recreation 4605

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective
Recreation 4575

Recreation 4585

RECR/PHSD/KIN Elective

RECR/PHSD/KIN Elective

Minor Subject Course or Elective

Minor Subject Course or Elective

*Specific required Recreation courses are offered only during the Fall, Winter and Spring semesters as indicated in the Table above.

**Students may complete the courses required of the Spring semester during any of the 3 Spring semesters of the programme.

Regulations for Evaluation and Promotion

(These Regulations apply to the Bachelor of Recreation and the Bachelor of Recreation Honours degree programmes only. All other programmes have separate Evaluation and Promotion Regulations).

Bachelor of Recreation Degree Programme

1) The Academic Council of the School constitutes the examining body for all Bachelor of Recreation degree students. The standing of every student will be assessed at the end of each academic term by the Committee on Undergraduate Studies which will then make its recommendations to Academic Council. The decisions of the Academic Council will be issued to individual students by mail and will be forwarded to the Registrar.

2) Students have the right to appeal any decision made by the School in regard to their promotion. Any such appeal must be made in writing to the Chair of the Committee on Undergraduate Studies of the School, within one month of the issue of results by the Academic Council.

3) A student's status at the end of each academic term will be in one of the following three categories:

a) Clear – requires an overall average of at least 60% with a mark of at least 60% in all Kinesiology, Physical Education and Recreation courses, and at least 50% in all non-Kinesiology, non-Physical Education and non-Recreation courses.

b) Probation – requires an overall average of at least 60%, with at least 50% in all courses, and at most one Kinesiology, Physical Education or Recreation course mark below 60%.

c) Promotion Denied – if none of the above sets of criteria is satisfied.

4) The Academic Council of the School may grant advancement to a student notwithstanding the advancement requirements given above. A decision of this nature will be made only for reasons acceptable to Academic Council and in the case of a student thought likely to succeed in future terms.

5) A student who has clear standing under clause 3) a) above can continue in the programme.

6) A student with a probationary standing under clause 3) b) above may be permitted to continue with no conditions other than those of clause 10) which must be met by the end of the next term.

7) A student who has been denied promotion under clause 3) c) above will be required to withdraw from the programme. Students denied promotion may seek to be re-admitted to the programme, after two semesters. Students will be required to repeat all professional courses in which they obtained less than a grade of 60% in that term. Those wishing to do so must apply for re-admission in accordance with the School and University re-admission regulations.

8) A student with 2 probationary promotions will not be allowed to continue into the next term until the student's status is transferred to a clear promotion under conditions outlined in clause 10).

9) A student with a probationary continuance or continuance denied at the end of the final term of the Bachelor of Recreation and Bachelor of Recreation Honours degree programmes will not be recommended for graduation until the student's status is changed to that of a clear promotion.

10) Transfer from a probationary promotion to a clear promotion will entail satisfying the School that the student is competent in the subject of the Kinesiology, Physical Education and Recreation course in which the student has failed to achieve 60%. This will normally entail re-examination, upon which the student will be declared to have passed or failed a test of competency in the subject concerned, without the assignment of a numerical grade on the test. Re-examination may be written, oral, practical or a combination of formats.

A re-examination will be at a time determined by the School. Failure to submit to the re-examination or failure in the re-examination will result in denial of promotion.

Remedial studies, including courses, may be recommended to be completed before re-examination.

11) Students may be required to withdraw from their programme at any time, if, in the opinion of the School, they are unlikely to profit from continued attendance."

Page 293, following the entry for Regulations for the Degree of Bachelor of Recreation Honours (Co-operative), but before the heading Kinesiology (KIN) Course Descriptions, insert the following:

"Regulations for the Degree of Bachelor of Recreation Honours

A Degree of Bachelor of Recreation Honours dignifies superior academic achievement. A Bachelor of Recreation Honours degree will be of advantage to students planning more advanced study in their chosen field.

1) To be considered for the Bachelor of Recreation Honours, candidates must so indicate on the "Application for Graduation: Undergraduate Degrees and Diplomas" which is available from the Office of the Registrar.

2) Candidates for the Degree of Bachelor of Recreation Honours shall comply with all regulations governing the Degree of Bachelor of Recreation.

3) The Bachelor of Recreation Honours programme shall include Recreation 4610, and either Recreation 4625 or Recreation 4635.

4) Students must attain an overall average of at least 75% in Recreation, Physical Education and Kinesiology courses required for the degree and an overall average of at least 70% in the total number of courses required for the degree.

5) A candidate for a Bachelor of Recreation Honours Degree who fails to fulfill the conditions of clause 4) above but fulfills the requirements for the Degree of Bachelor of Recreation, shall be awarded the Degree of Bachelor of Recreation."

Page 293, following the heading Kinesiology (KIN) Course Descriptions, rename the current NOTE following Kinesiology 4600 as "NOTE 1:" and add the following new NOTE 2:

"2) This course will not be accepted for credit towards any of the Recreation degree programmes."

Page 294, following the heading Physical Education (PHSD) Course Descriptions, add the following new course in the appropriate numerical order:

"3490. Women in Sport and Physical Activity. This course provides students with an opportunity to critically examine, understand and appreciate women's involvement in and contributions to the areas of sport and physical activity.

School of Physical Education, Recreation and Athletics (cont'd)

The student will be expected to analyze, synthesize and evaluate a wide range of historical, cultural, philosophical, and socio-psychological issues that have

shaped the nature and scope of women's participation in sport, and physical activity.

Lectures: Three hours per week.

NOTE: Credit may be obtained for only 1 of PHSD 3490, the former PHSD 3590 or the former RECR 3590."

Page 295, delete the entry for Physical Education course 3590. Women in Sport, Physical Activity and Leisure in its entirety.

Page 295, 1999–2000 Calendar, amend the NOTE for Physical Education course 4600. Introduction to Research as NOTE 1: and add the following new NOTE 2:

"2) This course will not be accepted for credit towards any of the Recreation degree programmes."

Page 296, following the heading Recreation (RECR) Course Descriptions, delete the entry for Recreation course 3590. Women in Sport, Physical Activity and Leisure in its entirety.

Page 296, following the heading Recreation (RECR) Course Descriptions, amend the course title of Recreation course 4525. Strategic Planning for Recreation to read as follows:

"4525. Planning for Recreation"

Page 296, following the heading Recreation (RECR) Course Descriptions, add the following new courses in the appropriate numerical order:

"2515. Social Psychology of Leisure. In this course students will be introduced to the personality and social factors that shape how people experience leisure. Course materials will focus on life cycle theory, intrinsic and extrinsic motivation, perceived freedom,

constraints theory and other social psychological theory related to leisure.

Lectures: Three hours per week.

2545. Introduction to Outdoor Recreation and Education. An overview of the foundational principles of outdoor education and recreation as they pertain to philosophy, wilderness ethics, professional preparation, movement through wildlands, environmental hazards, navigation and safety. Students will participate in a sampling of outdoor education and recreation activities during the course.

Lectures: Three hours per week.

Prerequisite: Recreation 2505.

3515. Outdoor Recreation and Persons with Disabilities. An introduction to current philosophy, issues and practices relating to outdoor recreation opportunities for persons with disabilities. This course is designed to provide students with the knowledge and skills necessary to integrate persons with disabilities into outdoor recreation activities and programmes.

Lectures: Three hours per week.

Prerequisite: Recreation 2505, 2545 & 3340 or permission of the instructor.

3595. Women and Leisure. The purpose of this course is to provide students with an opportunity to critically examine, understand and appreciate women's involvement in and contributions to leisure. The student will be expected to analyze, synthesize and evaluate a wide range of historical, cultural, philosophical, and socio-psychological issues that have shaped the nature and scope of women's participation in leisure.

Lectures: Three hours per week.

Prerequisite: Sociology 1000 or 2000 or Permission of Instructor.

NOTE: Credit may be obtained for only one of RECR 3595, the former RECR 3590 or the former PHSD 3590.

4605. Research Methods in Recreation and Leisure II. Students will work through the development of a research proposal suitable for the study or investigation of a topic relevant to the recreation and leisure studies field. Students will prepare a research proposal and present it for discussion in the class. Students who proceed on to the honours programme will implement the study they have proposed during Recreation 4610.

Lectures: Three hours per week.

Prerequisite: Recreation 4600 and Statistics 2500 or permission of the instructor.

NOTE: This course will not be accepted for credit towards the Bachelor of Physical Education (Co-operative) or any of the Kinesiology degree programmes."

Delete 4600. Introduction to Research in its entirety and replace with the following:

"4600. Research Methods in Recreation and Leisure I. An introduction to research methodologies currently employed in Recreation.

Lectures: Three hours per week.

Prerequisites: Statistics 2500 or permission of the instructor.

NOTES: 1) Credit may be obtained for only 1 of RECR 4600, PHSD 4600 or KIN 4600.

2) This course will not be accepted for credit towards the Bachelor of Physical Education (Co-operative) or any of the Kinesiology degree programmes."

Amend the prerequisites for 4610. Recreation Research Project. to read as follows:

"Prerequisites: RECR 4505, RECR 4600, KIN 4600 or PHSD 4600 and one of STATS 2500 or STATS 2550."

Page 53, following the heading F. Classification of Degrees, amend the first paragraph as follows:

Delete:

"Bachelor of Physical Education, Bachelor of Kinesiology (Co-operative) and Bachelor of Recreation"

Page 53, following the heading F. Classification of Degrees, amend the first paragraph, before "No candidate can ... degree, diploma or certificate." insert the following new sentence as follows:

"All degrees offered by the School of Physical Education, Recreation and Athletics are not classified."

56.23 School of Music

Page 190, 1999–2000 Calendar, following the heading Bachelor of Music Degree Regulations, subheading E. Conjoint Degree Programme: Bachelor of Music & Bachelor of Music Education, amend clause 5. to read as follows:

"5. Eight credit hours chosen from: Music 3221, 3222, 3231, 3232, 3233, 3241, 3242, 3261, 3281, 3282."

Page 196, following the heading Music History Courses, add the following new course:

"2013. Twentieth-Century Musicals (3 cr. Hrs.). A survey of twentieth-century musical theatre. Selected works, presenting different styles and periods, will be examined in detail. There will be a strong, required listening/viewing component to this course. The ability to read music is not required. Music 2013 cannot be taken for credit by students enrolled in the Bachelor of Music programme. Credit cannot be received for both Music 3007 and Music 2013."

Page 192, 1999–2000 Calendar, following the heading Interdisciplinary Major in Drama and Music (Bachelor of Arts), amend clause 1. e) to read as follows:

"e) Music 3007 or Music 2013."

Page 192, 1999–2000 Calendar, amend the heading Minor in Music History (Bachelor of Arts), to read as follows:

"Minor in Music History"

Page 192, 1999–2000 Calendar, following the heading Minor in Music History, amend clause 1. to read as follows:

"This minor is available to students in the Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Commerce (Cooperative), Bachelor of Recreation, Bachelor of Recreation (Honours), Bachelor of Recreation (Cooperative) and Bachelor of Recreation (Cooperative) (Honours). The minor in music history is not applicable to the Bachelor of Music degree."

Page 259, 1999–2000 Calendar, following the heading Bachelor of Music Conjoint with Bachelor of Music Education, subheading Admission, amend clause 3) b) to include the following:

"3261"

56.24 Diploma in Information Technology

Page 117, following the heading Diploma Programme in Information Technology, in the first paragraph delete the last two sentences as follows:

"The programme consists of ... advance of each academic year."

Insert new paragraph as follows:

"The diploma can be completed on either a full-time or part-time basis. The full-time programme consists of three consecutive semesters one of which is a work term. The part-time programme consists of nine consecutive semesters. Courses for part-time students will consist of evening and weekend sessions."

Following the heading Diploma Programme in Information Technology, subheading Admission Requirements, delete the current entry and replace with the following:

"Applicants to the Diploma in Information Technology normally must have successfully completed a degree or diploma from an accredited post-secondary institution. Admission to the programme is limited and competitive. Application to the programme must be made in writing to the School of Continuing Education on the appropriate form, and must include an official transcript of post-secondary marks. In addition, students who have not registered for courses at Memorial University for either of the two immediately

preceding semesters must also complete a general application to the University.

Candidates applying for the part-time programme will be required to have at least one year of full-time relevant work experience or equivalent.

When circumstances warrant, and only on the strong recommendation of the Academic Council, School of Continuing Education, consideration may be given to candidates who do not meet some of the above requirements."

Following the heading Diploma Programme in Information Technology, subheading Registration, delete the current heading and entry in its entirety.

Following the sub-heading Programme Requirements, amend the entry as follows:

"The Diploma in Information Technology consists of a set curriculum of 20 courses listed below. All courses are specifically designed for the Diploma in Information Technology only, and are not applicable towards any other existing degree or diploma programme. Students enrolled in the consecutive three semester full-time programme will be required to complete a work term component. Students opting to complete the programme on a part-time basis must do so within three calendar years (nine consecutive semesters) from the date of admission to the programme. A work term is not available under the part-time programme, however, a substantial project (INFO 4500) will be required of each participant prior to completion of the part-time programme."

Following the subheading Evaluation, amend the current entry to read as follows:

"Evaluation and Continuance

The pass mark for each course is 65%. A pass must also be awarded for the work term. Evaluation may include, but not be limited to, any or all of the following: projects, assignments, examinations, and class participation.

Students who obtain a grade of less than 65% in no more than two of the Diploma in Information Technology courses in a given semester will be given a probationary promotion and will be required to repeat the course(s) in the next semester in which it (they) is (are) offered.

The foregoing notwithstanding students will be required to withdraw from the Diploma in Information Technology programme if:

- a) a final grade of less than 65% is obtained in more than two courses, or
- b) a final grade of less than 65% is obtained in a repeated course, or
- c) a final grade of less than 50% is obtained in any one course.

Students may be considered for re-admission by the Admissions Committee, School of Continuing Education.

Students who withdraw from a Diploma in Information Technology course without permission will be considered to have withdrawn from the Diploma in Information Technology programme."

Delete the subheading Continuation in the Programme, and the current entry in its entirety.

Delete the sub-heading Transfers, and the current entry in its entirety.

Delete the subheading Challenge for Credit, and the current entry in its entirety.

Immediately preceding the subheading Awarding of Diploma, insert the following new entry as follows:

"Work Term

General management of the work terms is the responsibility of the School of Continuing Education. Through its industry liaison officer, it is responsible for assisting potential employers to become involved in the programme, for the continual development of employment opportunities, for arranging student-employer interviews, for counseling of students, for visiting students on their work assignments and for the evaluation of the work term.

Students and employers choose each other through the placement competition process. Employers interview students, and both the students and employers express their preferences. Placement is not guaranteed but every effort is made to ensure that appropriate employment is made available.

Students accepted into the Diploma in Information Technology full-time programme, give permission to the School of Continuing Education to supply their resumes and transcripts to prospective employers.

Students accepted into the full-time programme will complete the work term component during the third semester of the Diploma in Information Technology programme. The dates for starting and finishing the work term are shown in the University Diary. To be eligible for the work term, students must have successfully completed all other courses in the programme. Successful

completion of the work term requirement is a prerequisite to graduation from the Diploma in Information Technology.

Salaries paid to students are determined by employers and are based upon their internal wage structures. However, students should not expect the income from work terms to make them completely self-supporting.

Students may obtain their work term placements outside the competition. Such work terms must be confirmed by the employer, and be approved by the School of Continuing Education on or before the first day on which the student commences work.

A student may, with the permission of the School of Continuing Education, be self-employed during a work term provided that the student and the School of Continuing Education agree at the start of the work term on the information to be provided to the School so that it can evaluate the student's work during the term.

A student who is unable to obtain a work-term or work in approved self employment within four weeks from the start of the work term will be expected to undertake work under contract to a client within a faculty, another entity of the university, a company, municipality, non-profit organization, or the like. The contract work may be part-time, or occupy only a portion of a semester, and may allow the student to earn an income in other ways. The contract, whether paid or unpaid, must be approved by the School of Continuing Education.

When neither an approved full-time work term nor an approved contract has been obtained the Undergraduate Studies Committee may approve a programme which provides these students with technical and professional experience expected in the work term. The programme must be such that the development, including the development of the students' communication skills, through the programme can be monitored and assessed by the School of

Continuing Education with criteria equivalent to those used for full-time work term positions.

A work term report must be submitted. This report will be assigned by the School of Continuing Education. Evidence of the student's ability to gather material relating to the job, analyze it effectively and present it in a clear, logical and concise form, will be required in the report. Late reports will not be evaluated, unless prior permission for a late report is given.

The evaluation of the work term is the responsibility of the School of Continuing Education. Two components are considered in work term evaluation: on-the-job performance and the work term report. Each component is evaluated separately.

Evaluation of the work term will result in the assignment of one of the following recommendations.

PASS WITH DISTINCTION: Indicates excellent performance in both the work report and work performance. The student is commended for his/her outstanding performance in each of the required components; pass with distinction has been awarded to each of the work report and work performance.

PASS: Indicates that performance meets expectations in both the work report and work performance. The student fully meets the requirements of a passing work report and completely satisfactory work-term performance.

FAIL: Indicates failing performance in the work report and/or work performance.

On-the-job performance is assessed by the industry liaison officer in conjunction with the employer.

If a student fails to achieve a passing grade from a work term, the student will normally repeat that work term in a work situation approved by the School of Continuing Education. A given work term may be repeated only once during the programme.

Students who fail to honour an agreement to work with an employer, or who drop a work-term without prior approval of the School of Continuing Education, or who conduct themselves in such a manner as to cause their discharge from the job, will normally be awarded a failed work term.

Permission to drop a work term does not constitute a waiver of diploma requirements, and students who obtained such permission must complete an approved work-term in lieu of the one dropped."

Immediately preceding the subheading Course List, insert the following new entry as follows:

"Course Load

Full-time students in semester one will complete 16 credit hours.

Full-time students in semester two will complete 14 credit hours.

Full-time students may register for an additional three credit hour course while on the work term."

Following the subheading Course List, include in the title for the courses: 1000, 2200, 3200, 3310, 3430 "(2 cr. hrs.)" as in the following example:

"1000. Computer Technology (2 cr. hrs.)."

Following the subheading Course List, include in the title for the courses: 2100, 2300, 2400, 2410, 3100, 3110, 3320, 3400, 3410, 3420, 3440 "(1 cr. hr.)" as in the following example:

"2100. Operating Systems I (1 cr. hr.)."

Following the subheading Course List, include in the title for the courses: 3300, 4500 "(3 cr. hrs.)" as in the following example:

"3300. Fundamentals of Programming (3 cr. hrs.)."

Following the subheading Course List, include in the title for the course: 3340 "(5 cr. hrs.)" as in the following example:

"3340. Introduction to Programming with Oracle (5 cr. hrs.)."

Following the subheading Course List, amend the calendar entry for the course 3330. Object-Oriented Programming. as follows:

"3330. Object-Oriented Programming (2 cr. hrs.). An introduction to object-oriented programming. Topics include: encapsulation, information hiding, inheritance and polymorphism.

Prerequisites: Information Technology 3310."

Amend the title for the course 4600. Work Term. To read as follows:

"460W Work Term."

56.25 Joint Proposal from School of Nursing and School of Social Work

Page 324, 1999–2000 Calendar, following the heading Course List, insert the following new course:

"5327. Interdisciplinary Course on Family Violence. (Same as Social Work 5327) This course focuses on physical, emotional, and sexual violence throughout the life cycle of the family. Issues of family violence will be addressed using an interdisciplinary framework with emphasis on understanding the nature and impact of family violence, incorporating gender and socio-cultural analysis. Emphasis will be given to causal explanations, common pattern, and short and long-term effects of abuse and on the roles of health professionals in prevention and treatment.

Prerequisite: Must be a Registered Nurse or eligible for registration, or N3001 and N3501."

Page 409, 1999–2000 Calendar, following the heading Course Descriptions, insert the following new course:

"5327. Interdisciplinary Course on Family Violence. (Same as Nursing 5327) This course focuses on physical, emotional, and sexual violence throughout the life cycle of the family. Issues of family violence will be addressed using an interdisciplinary framework with emphasis on understanding the nature and impact of family violence, incorporating gender and socio-cultural analysis. Emphasis will be given to causal explanations, common pattern, and short and long-term effects of abuse and on the roles of health professionals in prevention and treatment.

Prerequisites: Social Work 4311, Social Work 4325, Social Work 4326 or consent of the instructor."

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

57.1 Faculty of Engineering and Applied Science

Page 443, 1999–2000 University Calendar, following the heading Regulations Governing the Degree of Master of Engineering, subheading B. Programme of Study and Research, amend clause 3. as follows:

Insert Eng. 9516 between Eng. 9501 and Eng. 9821.

Amend clause 4.a) as follows:

Delete Eng. 9310, 9516, 9520, 9525, 9603, 9723 and 9750.

Add Eng. 9609.

Amend clause 4.c) as follows:

Delete Eng. 9210, 9505, 9516, 9520, 9910.

Amend clause 4.d) as follows:

Delete Eng. 9022, 9052, 9505, 9516.

Page 445, following the sub-heading Faculty Core Courses, add Engineering 9516 to the list of courses.

Following the sub-heading Discipline Core Courses, delete Engineering 9022, 9052, 9210, 9310, 9516, 9520, 9525, 9603, 9723, 9750, 9910.

Add Engineering 9609 to the list of courses.

Following the sub-heading Other Courses, delete Engineering 9609 from the list of courses.

Add Engineering 9022, 9052, 9210, 9310, 9516, 9520, 9525, 9603, 9723, 9750, 9910 to the list of courses.

57.2 Revisions to the Regulations Governing the Degrees of M.A. Sc. Environmental Engineering and Applied Science Programme; Master of Environmental Science and Master of Science in Environmental Science

Page 425, delete the entry Regulations Governing the Degrees of Master of Applied Science in Environmental Engineering and Applied Science, Master of Environmental Science and Master of Science in Environmental Science in its entirety and replace with the following:

"REGULATIONS GOVERNING THE DEGREE OF MASTER OF APPLIED SCIENCE IN ENVIRONMENTAL ENGINEERING AND APPLIED SCIENCE

PROGRAMME OF STUDY

The Faculty of Engineering and Applied Science offers a programme in Environmental Engineering and Applied Science leading to the degree of Master of Applied Science in Environmental Engineering and Applied Science (M.A.Sc.). The programme is available on a full-time or part-time basis. Admission is open to students with Engineering or Science backgrounds.

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

The Master of Applied Science degree is a multi-disciplinary, provisionally oriented degree which provides an advanced education for students who are already working, or who intend to work, in the environmental industry.

QUALIFICATIONS FOR ADMISSION

Admission is limited and competitive. To be considered for admission, applicants shall normally hold a Bachelor's degree in Engineering or an Honours degree in Science with at least second class standing, or equivalent from an institution recognized by the Senate or shall have qualifications and/or experience acceptable to the Dean of Graduate Studies and the Board of Studies. The Board of Studies will make recommendations on admission to the Dean of Graduate Studies.

The Board of Studies will oversee academic aspects of students' programme on behalf of the Faculty Council of the Faculty of Engineering and Applied Science.

DEGREE REQUIREMENTS

To the extent that resources permit, individual programmes will be developed to suit student interests and needs. However, all programmes must be approved by the Board of Studies and the Dean of Graduate Studies. All General regulations of the School of Graduate Studies shall apply to this degree.

The degree programme requires the completion of 27 credit hours, six of which comprise a project course.

i. Students are required to complete Eng. 960A and Eng.960B.ii. The remaining courses must be selected so that 6 credit hours are selected from Eng. 9601, Eng. 9603, Eng. 9609, and Eng. 9624; 3

credit hours are selected from Eng. 9605 and Eng. 9621; 3 credit hours are selected from Eng. 9622 and Eng. 9712; and 9 credit hours are selected from Env. Sci./Eng. 6000, Env. Sci./Eng. 6001, Env. Sci./Eng. 6002, Env. Sci./Eng. 6003, and Geog. 6250.

COURSES

Eng 960A/B Environmental Engineering Project

Eng. 9601 Environmental Pollution and Mitigation (Cross listed as Env. Sci. 6004)

Eng. 9603 Environmental Sampling and Pollutant Analysis (Cross listed as Env. Sci. 6005)

Eng. 9605 Advanced Wastewater Treatment

Eng. 9609 Environmental Risk Assessment (same as Env. Sci. 6007)

Eng. 9610–9615 Special Topics in Environmental Engineering and Applied Science

Eng. 9621 Soil Remediation Engineering

Eng. 9622 Environmental Statistics

Eng. 9624 Air Pollution (same as Env. Sci. 6008)

Eng. 9712 Environmental Hydraulics

Env. Sci./Eng. 6000 Environmental Science and Technology

Env. Sci./Eng. 6001 Earth and Ocean Sciences

Env. Sci./Eng. 6002 Environmental Chemistry and Toxicology

Eng. Sci./Eng. 6003 Applied Ecology

Geog. 6250 Conservation of Natural Resources"

Page 446, delete the current entry for Environmental Science, and replace with the following:

"REGULATIONS GOVERNING THE DEGREE OF MASTER OF ENVIRONMENTAL SCIENCE (see also Master of Science in Environmental Science and Master of Applied Science in Engineering and Applied Science)

A. PROGRAMME OF STUDY

1. The Environmental Science Programme is an interdisciplinary graduate programme involving the science-based departments of Memorial University of Newfoundland and along with the Environmental Engineering Programme makes up Memorial's Environmental Studies Graduate Programme. There are two Environmental Science Graduate degree streams, the Master of Science (M.Sc., Environmental Science) and the Master of Environmental Science (M.Env.Sci).

The programme is available on a full-time or part-time basis. Admission is open to students with Science or Engineering backgrounds.

2. The programme is offered by the Faculty of Science and is administered by a Board of Studies appointed by the Dean of Science.

B. QUALIFICATIONS FOR ADMISSION

Admission is limited and competitive. To be considered for admission applicants shall normally hold an Honours degree in Science with at least second class standing, or equivalent, or a Bachelor's degree in Engineering from an institution recognized by the Senate or shall have qualifications and/or environmental

experience acceptable to the Dean of Graduate Studies and the Board of Studies. The Board of Studies will make recommendations on admission to the Dean of Graduate Studies.

C. DEGREE REQUIREMENTS

1. To the extent that resources permit, individual programmes will be developed to suit students' interests and needs. However all programmes must be approved by the Board of Studies and by the Dean of Graduate Studies. All General Regulations of the School of Graduate Studies shall apply to these degrees.

2. Master of Environmental Science

a) The Master of Environmental Science is a multidisciplinary course-based degree, focused on environmental issues. The degree programme provides for both multidisciplinary courses and for courses focused on the student's specific area of interest.

b) the degree programme requires completion of 27 credit hours.

i) Students will be required to take a minimum of 15 credit hours in programme courses, 9 credit hours of which must be Env. Sci./Eng.6000, Env. Sci. 6009 and Env. Sci. 6010 and 6 credit hours from Env. Sci./Eng. 6001, 6002 and 6003.

Revisions to the Regulations Governing the Degrees of M.A. Sc. Environmental Engineering and Applied Science Programme; Master of Environmental Science and Master of Science in Environmental Science (cont'd)

ii) Students will be required to take a minimum of 12 credit hours in elective courses approved by the Board of Studies, 9 credit hours of which will normally be selected from graduate courses offered by the Faculties of Science and Engineering and Applied Science. Students are advised to consult with instructors and Faculties regarding necessary prerequisites and availability.

3. Master of Science (Environmental Science)

a) The Master of Science (Environmental Science) is a research degree which includes a thesis and course work. The thesis research will focus on environmental topics relevant to the student's background, and will be supervised by appropriate faculty, normally in the Faculties of Science and/or Engineering and Applied Science. The course component has two aims: to broaden the students' understanding of environmental issues; and to provide further training in areas of research specialization for the thesis.

b) Each student will have a Supervisory Committee normally consisting of a Supervisor and two others. The Supervisory Committee will be appointed by the Dean of Graduate Studies on the recommendation of the Board of Studies for Environmental Science.

c) The programme of each student will consist of a minimum of 15 credit hours in programme courses which will include Env. Sci./Eng. 6000 and Env. Sci. 6010. Of the 9 credit hours remaining in programme courses, 3 credit hours will be from Env. Sci./Eng. 6001, 6002 and 6003 and the other credit hours will be related to the student's specialty and will normally be chosen from graduate courses offered by the Faculties of Science, and Engineering and Applied Science.

d) All students will be required to submit a thesis embodying the results of systematic research on an approved topic. The thesis will be evaluated according to procedures outlined in General Regulation J.

COURSES

Env. Sci./Eng. 6000. Environmental Science and Technology

Env. Sci./Eng. 6001. Earth & Ocean Systems

Env. Sci./Eng. 6002. Environmental Chemistry and Toxicology

Revisions to the Regulations Governing the Degrees of M.A. Sc. Environmental Engineering and Applied Science Programme; Master of Environmental Science and Master of Science in Environmental Science (cont'd)

Env. Sci./Eng. 6003. Applied Ecology

Env. Sci./Eng. 6004. Environmental Pollution and Mitigation (Cross listed as Eng. 9601)

Env. Sci. 6005. Environmental Sampling and Pollutant Analysis (Cross listed as Eng. 9603)

Env. Sci. 6007. Environmental Risk Assessment (same as Eng. 9609)

Env. Sci. 6008. Air Pollution (same as Eng. 9624)

Env. Sci. 6009. Environmental Science Project

Env. Sci. 6010. Environmental Seminar."

Page 459, delete the current entry for Environmental Science in its entirety and replace with the following:

ENVIRONMENTAL SCIENCE

A. PROGRAMME OF STUDY

1. The Environmental Science Programme is an interdisciplinary graduate programme involving the science-based departments of Memorial University of Newfoundland and along with the Environmental Engineering Programme makes up Memorial's Environmental Studies Graduate Programme. There are two Environmental Science Graduate degree streams, the Master of Science (M.Sc., Environmental Science) and the Master of Environmental Science (M.Env. Sci.).

The programme is available on a full-time or part-time basis. Admission is open to students with Science or Engineering backgrounds.

2. The programme is offered by the Faculty of Science and is administered by a Board of Studies appointed by the Dean of Science.

B. QUALIFICATIONS FOR ADMISSION

Admission is limited and competitive. To be considered for admission applicants shall normally hold an Honours degree in Science with at least second class standing, or equivalent, or a Bachelor's degree in Engineering from an institution recognized by the Senate or shall have qualifications and/or environmental experience acceptable to the Dean of Graduate Studies and the

Revisions to the Regulations Governing the Degrees of M.A. Sc. Environmental Engineering and Applied Science Programme; Master of Environmental Science and Master of Science in Environmental Science (cont'd)

Board of Studies. The Board of Studies will make recommendations on admission to the Dean of Graduate Studies.

C. DEGREE REQUIREMENTS

1. To the extent that resources permit, individual programmes will be developed to suit students' interests and needs. However all programmes must be approved by the Board of Studies and by the Dean of Graduate Studies. All General Regulations of the School of Graduate Studies shall apply to these degrees.

2. Master of Environmental Science

a) The Master of Environmental Science is a multidisciplinary course-based degree, focused on environmental issues. The degree programme provides for both multidisciplinary courses and for courses focused on the student's specific area of interest.

b) The degree programme requires the completion of 27 credit hours.

i) Students will be required to take a minimum of 15 credit hours in programme courses, 9 credit hours of which must be Env. Sci./Eng. 6000, Env. Sci. 6009 and Env. Sci. 6010 and 6 credit hours from Env. Sci./Eng. 6001, 6002 and 6003.

ii) Students will be required to take a minimum of 12 credit hours in elective courses approved by the Board of Studies, 9 credit hours of which will normally be selected from graduate courses offered by the Faculties of Science, and Engineering and Applied Science. Students are advised to consult with instructors and Faculties regarding necessary prerequisites and availability.

3. Master of Science (Environmental Science)

a) The Master of Science (Environmental Science) is a research degree which includes a thesis and course work. The thesis research will focus on environmental topics relevant to the student's background, and will be supervised by appropriate faculty, normally in the Faculties of Science and/or

Revisions to the Regulations Governing the Degrees of M.A. Sc. Environmental Engineering and Applied Science Programme; Master of Environmental Science and Master of Science in Environmental Science (cont'd)

Engineering and Applied Science. The course component has two aims: to broaden the students' understanding of environmental issues; and to provide further training in areas of research specialization for the thesis.

b) Each student will have a Supervisory Committee normally consisting of a Supervisor and two others. The Supervisory Committee will be appointed by the Dean of Graduate Studies on the recommendation of the Board of Studies for Environmental Science.

c) The programme of each student will consist of a minimum of 15 credit hours in programme courses which will include Env. Sci./Eng. 6000 and Env. Sci. 6016. Of the 9 credit hours remaining in programme courses, 3 credit hours will be from Env. Sci./Eng. 6001, 6002 and 6003 and the other credit hours will be related to the student's specialty and will normally be chosen from graduate courses offered by the Faculties of Science, and Engineering and Applied Science.

d) All students will be required to submit a thesis embodying the results of systematic research on an approved topic. The thesis will be evaluated according to procedures outlined in General Regulation J.

COURSES

Env. Sci./Eng. 6000. Environmental Science and Technology

Env. Sci./Eng. 6001. Earth and Ocean Systems

Env. Sci./Eng. 6002. Environmental Chemistry and Toxicology

Env. Sci./Eng. 6003. Applied Ecology

Env. Sci. 6004. Environmental Pollution and Mitigation (Cross listed as Eng. 9601)

Env. Sci. 6005. Environmental Sampling and Pollutant Analysis (Cross listed as Eng. 9603)

Env. Sci. 6007. Environmental Risk Assessment (same as Eng. 9609)

Env. Sci. 6008. Air Pollution (same as Eng. 9624)

Env. Sci. 6009. Environmental Science Project

Env. Sci. 6010. Environmental Seminar"

57.3 School of Nursing

Page 446, 1999–2000 Memorial University Calendar, delete the entry Regulations Governing the Degree of Master of Nursing in its entirety and replace with the following:

"REGULATIONS GOVERNING THE DEGREE OF MASTER OF NURSING

Associate Professor and Director

C. Orchard

Associate Professor and Associate Director

S. LeFort

A) PROGRAMME

1. The responsibility for the administration of all graduate programmes shall reside with the Dean of Graduate Studies.
2. Applicants for the programme shall be required to apply for admission to the Dean of the School of Graduate Studies and shall be expected to follow the regulations, policies and practices required of the School. Deadline for receipt of applications should be no later than December 31. If space is available, students who apply after the deadline date may be accepted.

B) QUALIFICATIONS FOR ADMISSION

1. Applicants must have a baccalaureate degree in nursing, or an equivalent from an institution recognized by the University and a knowledge of nursing satisfactory to the School of Nursing.
2. Admission to the programme is limited and competitive. To be considered for admission, the applicant must have maintained at least a grade B standing in the baccalaureate programme.
3. Applicants are also required to have a minimum of one year's experience in nursing practice, and to have completed an undergraduate nursing research course, and a statistics course such as Statistics 2500 or Education 2900 or their equivalents.
4. Applicants must hold a practising licence from the Association of Registered Nurses of Newfoundland and Labrador or must be currently registered as a practising nurse in another Canadian jurisdiction. Applicants from other countries who do not meet the above criteria will be assessed on an individual basis. However, they must submit proof of registration as a practising nurse (or an equivalency) from their country or jurisdiction.
5. Only in exceptional circumstances and only on the recommendation of the School of Nursing shall the Dean of Graduate Studies consider applicants who do not meet admission requirements listed above.

C) REGISTRATION

See School of Graduate Studies General Regulation C)
REGISTRATION

D) PROGRAMMES OF STUDY

There are two routes offered: (I) Thesis option and (II) Non-thesis option.

Normally the programme will require two years to complete when taken on a full-time basis.

(I) Thesis Option

1. Candidates must complete an approved programme of study consisting of a minimum of 19 credit hours in graduate programme courses and a thesis.

Required courses:

N6010. Research in Nursing 1: Quantitative Methods

N6011. Philosophical and Theoretical Foundations of Nursing

N6100. Research in Nursing II: Qualitative Methods

Either N6200. Nursing Individuals and Families through Life Transitions, and

N6210. Nursing Therapeutics for Individuals and Families

Or N6220. Concepts for Population-based Nursing, and

N6230. Interventions for Population-based Nursing

One nursing elective.

2. Candidates shall submit a thesis on an approved subject in which systematic research has been conducted under the direction of a Supervisor recommended by the Director and approved by the Dean.

3. The programme of each candidate shall be approved by the Dean on the recommendation of the Director.

(II) Non-thesis Option

1. Candidates must complete an approved programme of study consisting of a minimum of 28 credit hours in graduate programme courses and 6 credit hours in a consolidated practicum.

Required courses:

N6010 – Research in Nursing 1: Quantitative Methods

N6011 – Philosophical and Theoretical Foundations of Nursing

N6100 – Research in Nursing II: Qualitative Methods

N6040 – Nursing Informatics

Either N6200. Nursing Individuals and Families through Life Transitions and

N6210. Nursing Therapeutics for Individuals and Families

Or N6220. Concepts for Population-based Nursing, and

N6230. Interventions for Population-based Nursing

Three of the following courses:

N6020 – Programme Development in Nursing

N6031 – Education in Nursing

N6050 – Leadership in Nursing

N6060 – Policy and Politics in Nursing and Health Ca

Other approved electives

One of the following consolidated practicums:

N6610, 6611: Practicum in Advanced Clinical Practice

N6620, 6621: Practicum in Nursing Administration

N6630, 6631: Practicum in Nursing Research/Research Utilization

N6640, 6641: Practicum in Health Policy

N6650, 6651: Practicum in Nursing Education

The consolidated practicum will normally consist of 300 hours of field experience.

2. The programme of each candidate shall be approved by the Dean on the recommendation of the Director.

E) EVALUATION

1. In order to continue in graduate studies and in order to qualify for a Master's degree, a candidate shall obtain an A or B grade in each programme c

2. If the candidate is in the Non-thesis Option, the candidate must obtain a Pass grade for the practicum component of the programme.

3. When the Director of the School of Nursing has determined on the basis of consultation with the candidate, the Associate Director, Graduate Programme and Research, and the thesis or practicum Supervisor, that a candidate has fallen below a satisfactory level, the Director may recommend to the Dean that such a candidate be required to withdraw from the programme.

4. To remain in good standing candidates are required to maintain professional behaviour consistent with the current Code of Ethics of the Canadian Nurses Association and, when applicable, the Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans. Candidates who fail to meet this requirement will be required to withdraw from the School of Nursing upon recommendation of the Graduate Studies Committee.

F) THESIS

See School of Graduate Studies General Regulation J) THESES AND REPORTS.

COURSES

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

N6010. Research in Nursing 1: Quantitative Methods (4 credit hours)

N6011. Philosophical and Theoretical Foundations of Nursing (3 credit hours)

N6020. Programme Development in Nursing (3 credits hours)

(Pre or co-requisite: N6010, N6011)

N6031. Education in Nursing (3 credit hours)

(Not required by students who have completed N6030. Credit may not be obtained for both N6030 and N6031).

N6040. Nursing Informatics (3 credit hours)

N6050. Leadership in Nursing (3 credit hours)

N6060 Policy and Politics in Nursing and Health Care (3 credit hours)

N6100 Research in Nursing II: Qualitative Methods (3 credit hours)

N6200 Nursing Individuals and Families through Life Transitions (3 credit hours).

Prerequisites: N6010, N6011. Pre or co-requisite: N6100.

(Not required by students who have completed N6400)

N6210. Nursing Therapeutics for Individuals and Families (3 credit hours)

Pre or co-requisite: N6200.

(Not required by students who have completed N6400)

N6220. Concepts for Population-Based Nursing (3 credit hours)

Prerequisites: N6010, N6011.

(Not required by students who have completed N6410)

N6230. Interventions for Population-Based Nursing (3 credit hours)

Pre or co-requisite: N6220

(Not required by students who have completed N6410)

N6310-6350. Special Topics in Nursing (electives).

N6501-10. Individual Readings and Research in Special Areas

N6610, 6611. Practicum in Advanced Clinical Practice (6 credit hours)

(Prerequisites: All required and elective courses including N6020 and N6050)

N6620, 6621. Practicum in Nursing Administration (6 credit hours)

(Prerequisites: All required and elective courses including N6050 and N6060)

N6630,6631. Practicum in Nursing Research/Research Utilization (6 credit hours)

(Prerequisites: All required and elective courses including N6060)

N6640, 6641. Practicum in Health Policy (6 credit hours)

(Prerequisites: All required and elective courses including N6050 and N6060)

N6650, 6651. Practicum in Nursing Education (6 credit hours)

(Prerequisites: All required and elective courses including N6020 and N6031)"

57.4 Department of Mathematics and Statistics – Calendar Revisions

Pages 460 and 477, 1999–2000 Calendar, following the heading Mathematics and Statistics, delete the current preamble and replace with the following:

"The degrees of Master of Applied Statistics (see appropriate calendar entry), Master of Science and Doctor of Philosophy are offered in the Department of Mathematics and Statistics. The Masters' degrees are offered by full-time and part-time studies."

Page 460, following the heading Mathematics and Statistics delete the subheading "Master of Science" and replace with "Specific Requirements for the M.Sc. in Mathematics". Delete the next paragraph and replace with the following:

"Every candidate for the M.Sc. in Mathematics is required to take at least 18 credit hours in graduate courses, at most three credit hours of which may be from seminar courses. At least nine credit hours must be from courses selected from the list below with at least three credit hours in each of the indicated subject areas. A thesis is required.

Immediately before the heading Table of Credit Restrictions for Present Mathematics Courses With Former Mathematics Courses insert the following:

"Specific Requirements for the M.Sc. in Statistics

Every candidate for the M.Sc. in Statistics is required to take at least 18 credit hours in graduate courses, at most three credit hours of which may be from seminar courses. A thesis is required."

58. Faculty of Engineering and Applied Science – Discipline Name Change

A memorandum dated November 5, 1999 was received from the Faculty of Engineering and Applied Science requesting that the name of the discipline of Electrical Engineering be changed to Electrical and Computer Engineering. At a meeting held on November 25, 1999, the Executive Committee of Senate agreed that this item be forwarded to the Senate Committee on Undergraduate Studies and the Academic Council of the School of Graduate Studies for consideration prior to submission to Senate.

Responses have now been received from the Senate Committee on Undergraduate Studies and the Academic Council of Graduate Studies indicating their support for the proposal.

It was moved by Dean Kealey, seconded by Dr. Treslan and carried, that this proposal be forwarded to the Board of Regents.

59. Report of the Committee on Committees

A memorandum dated 12 January, 2000 was received from the Committee on Committees outlining proposed terms of reference for a University Planning and Budget Committee. This Committee will replace the present Senate Advisory Committee on the University Budget and the present Senate Committee on Academic Planning.

On behalf of the Committee on Committees, it was moved by Dr. Sharpe, seconded by Dr. Adamec and carried that the present Senate Advisory Committee on the University Budget and the present Senate Committee on Academic Planning be abolished and replaced by the University Planning and Budget Committee and that the following terms of reference, with a minor editorial amendment, be approved:

Membership:

Vice-President (Academic), Chair ex-officio

Vice-President (Administration and Finance) ex-officio

Vice-President (Research and International Relations) ex-officio

Nine tenured members of the academic staff:

Eligible appointees will be all those persons falling within the constituencies eligible for election to Senate.

To be appointed by Senate on the recommendation of the Committee on Committees, giving due weight to considerations of diversity and individual qualities of nominees.

To be appointed to staggered 3-year terms.

Three to be Senators.

Three to be designated as Budget Subcommittee members upon appointment.

One support staff member (nominated by the President)

One undergraduate student (nominated by the Executive of MUNSU, in consultation with the Executives of SWGC and Marine Institute student councils)

One graduate student (nominated by Executive of GSU)

One member of the Board of Regents (nominated by the Board)

The following two officials shall serve on the committee in a resource and non-voting capacity:

Director of Budgets and Audits

Director of Centre for Institutional Analysis and Planning

Total: 16 members and two resource persons

Budget Subcommittee (all being members of the full committee)

3 tenured members of the academic staff

One student (to be appointed each year by the Chair in consultation with the two student members)

Vice-President (Academic)

Vice-President (Administration and Finance)

Director of Budgets and Audits (in a resource and non-voting capacity)

Director of Centre for Institutional Analysis and Planning (in a resource and non-voting capacity)

Chair and Vice-Chair to be chosen annually from and by the Academic Staff Members on the Budget Subcommittee.

Quorum

1. For the transaction of business, the full Committee shall require the presence of at least 7 of the 13 members other than the ex-officio or resource members.
2. For the transaction of business, the Budget Subcommittee shall require the presence of at least 2 of the 3 tenured members of the academic staff.

Terms of Reference

The full Committee shall:

1. Advise the Senate on the University Plan and make recommendations for approval by the Senate and the Board on revisions to the University's goals, priorities, and allocation of resources.
2. Respond to any matters related to academic planning and priorities referred to it by the Senate or the Vice-Presidents.
3. Appraise planned initiatives that have significant implications for resources, including personnel, space and capital expenditure, and advise the Senate on how the proposals fit with the University Plan.

4. Receive and discuss plans from major academic units and major administrative and service units. The Committee shall assess such plans in light of the University Plan, recent relevant reviews, and budgetary considerations.
5. Review policies and guidelines for the conduct and content of reviews of Departments, major academic units (Faculties, Schools, the College, the Marine Institute and the University Library), research institutes and centres, and administrative and service units, and recommend to Senate revisions to these policies and guidelines as necessary.
6. Receive reviews conducted according to Term 3 (above), and discuss them only as they relate to the University Plan and current budgetary resources.
7. By February each year, report to Senate on the proposed University Budget for the upcoming fiscal year, based on the review conducted by the Budget Subcommittee.
8. Advise the President and Vice–Presidents regarding major University submissions to external agencies, apart from annual budget submissions to the Provincial Government, with respect to implications of the submission within the priorities of the University. This advice will be rendered in an ad hoc and timely fashion, recognizing the narrow time frames which may constrain such initiatives.
9. In October each year, report to Senate on its activities for the past year.

The Budget Subcommittee shall:

Receive by November 30 each year from the Vice–President (Administration and Finance) the proposed operating and capital University Budget for the upcoming fiscal year, including externally funded activities and capital expenditures, and incorporating submissions from all major academic, research and administrative units.

11. Make the proposed budget available to members of the University Community, and receive comments in accordance with stated procedures.

12. Review the proposed budget, particularly for its congruence with the University Plan, and submit a report with its comments to the full Planning and Budget Committee in a timely fashion to permit the full Committee to report with its comments to Senate in February each year.

13. From time to time, review the budget framework prepared by the university administration, and recommend changes as necessary to the Vice-Presidents through the full Committee.

Dr. Sharpe advised Senate that the Committee on Committees will shortly be asking for volunteers and nominations to standing committees, at which time he will be seeking a slate of members for the University Planning and Budget Committee.

Dr. Simpson requested that the existing members of the present Senate Committee on Academic Planning be permitted to complete outstanding business before the new Committee replaces it.

60. Report of the Senate Committee on Research – Revised University Policy on Integrity in Scholarly Research

Dr. Keough requested that consideration of this item of business be deferred until a later meeting. He advised that the language in the Collective agreement relating to this issue is still under discussion at the bargaining table. He also suggested that a delay would also present an opportunity to bring more cohesion to the language of the policy.

It was agreed to defer consideration of this item of business at this time.

61. Items for Information

61.1 Memorandum from the Board of Regents dated 18 January 2000 re Library Representation on Senate

A memorandum dated 18 January, 2000 was received from the Board of Regents approving a recommendation from Senate that Clause 11.A.(c) MEMBERSHIP OF SENATE AND ELECTIONS TO SENATE, of Section 54 of the Memorial University Act be interpreted to include Librarians, in order to facilitate the inclusion of the Library as a constituency of Senate.

61.2 Student Appeals

The Secretary of the Executive Committee reported that two student appeals (MUN NO. 8555617 and NO. 9725615) were denied. One undergraduate student appeal (MUN No. 9725615) was upheld.

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

The President began his remarks by advising Senators that the search for a new Dean of Student Affairs and Services is well underway, but not yet fully complete. He thanked the University community for providing feedback, all of which was taken into account by the Search Committee. Discussions are currently taking place with the preferred candidate and he will advise Senators of the outcome in due course.

Dr. Meisen advised that he has had the opportunity to continue his visits to various areas of the University, including Pharmacy, Medicine and Graduate Council and that he has also re-visited the School of Nursing. Noting that he finds these visits to be of great importance in that they give him a better understanding of the aspirations of the various units, he commented that he anticipates completing his schedule of visits within the next two or three months.

The President reported that he had recently visited Gander and Grand Falls/Windsor where he was reminded that many people in that region hold expectations with respect to the establishment of a University campus in the area. He stressed the importance of maintaining good working relationships, not only in the Gander, Grand Falls/Windsor region, but in other regions, through partnership with the College of the North Atlantic which has 20 campuses around the province, has good facilities and a good staff complement. The campus in Grand Falls/Windsor is quite large and offers first-year courses for transfer credit from Memorial. The

number of students in the Grand Falls/Windsor area has increased from 90 in 1998/99 to 140 in the current year and it is anticipated that there will be a similar increase next year. There is great interest in the community in expanding the transfer credit programme to include second-year courses, but the question is in which subject areas? He advised that Memorial has undertaken to examine possible subject areas and noted that three which have been suggested are Business, Information Technology and Mining. The first two of these areas hold a great degree of promise in regard to the number of students, and the third for economic development. The means by which second-year courses would be offered is a matter for consideration. If there were a sufficient number of students the courses could be taught on site, otherwise they could be taught by distance, either electronically or by some other means. If second-year courses are established, they could then be made available at other CNA campuses, at Memorial itself, as well as to small groups of students at different locations. This aspect of programme development would add to the economic, cultural and social health of the region.

The President noted that this afternoon some Senators attended a meeting on Strategic Social Planning for the Province. He remarked that it would be a good undertaking for Memorial (including Sir Wilfred Grenfell College) to make our expertise available as much as possible within the resources available and within our set of priorities. He added that this would be a good opportunity for students in co-op or theses programmes to produce work on local subjects in regions which may be of interest to them. This would be of value to the students and would act as a connection between Memorial and the different regions of the province. The President said that he is optimistic that something can be done as a collaborative project, some of the difficulties notwithstanding.

The President advised that recently he and Dr. Simpson met with the editorial board of the Telegram. A wide ranging discussion was held and some of this discussion was reported in the Telegram shortly afterwards. He commented that he sensed that this editorial board is interested in and has a desire to know what is happening at Memorial, what type of research is being conducted, what we are doing for students, and where the institution's direction lies. He stated that it is important to capture that and to focus on this kind

of relationship, and he will do what he can to foster this in the future.

The President commented on a recent Alumni meeting in Boston. This was the first Alumni meeting that he has attended outside Canada and was also unusual because it was held at the home of the Consul General, Ms. Mary Clancy. He commented that it was interesting to see how well MUN alumni there and elsewhere have done. There were graduates in attendance from the areas of Medicine, Science and the Arts. He noted that Memorial graduates are making an impact in that part of the United States which could be of assistance in our recruitment efforts. In speaking with alumni at the meeting he was told that they think highly of the education they received at Memorial. The President expressed his gratitude to Ms. Clancy for arranging the meeting at her residence.

During his stay in Boston, the President advised that he met with Dr. John Kenneth Galbraith, who shortly after his visit in October 1999 to Memorial to receive an honorary degree, underwent major heart surgery, and also sustained a fall. He is now recovering from both incidents. He asked the President to convey to Senate that his memories, not only of his last visit to Newfoundland, but also of his earlier visits are very warm, as are those of his wife. The President also reported that Dr. Galbraith has made a donation to Memorial to establish a lectureship in the area of public policy in his name. The President will be meeting with the Dean of Arts to discuss this permanent contribution to the University.

The President advised Senate that the topic for the Special Meeting to be held following the March 14, 2000 meeting of Senate will be "Issues of Retention of Students at Memorial".

63. ADJOURNMENT

The meeting adjourned at 5:40 p.m.