

## SENATE MINUTES

FEBRUARY 9, 1999

### SENATE

The regular meeting of Senate was held on Tuesday, February 9, 1999, at 4:00 p.m. in Room E5004.

#### 60. PRESENT

Dr. E. Simpson (Acting Chair), Dr. K. Keough, Professor A. Fowler, Dean W. Blake, Mr. G. Collins, Dr. G. Gardner (for Acting Dean W. Davidson), Dr. E. Dow, Mr. W. Green, Dr. C. Higgs, Dean G. Kealey, Dr. C. Loomis, Dr. G. Hurley (for Dean W. Ludlow), Dean T. Murphy, Dr. C. Orchard, Dean T. Piper, Dean R. Seshadri, Dr. M. Volk, Professor H. Weir, Dr. A. Aboulazm, Dr. R. Adamec, Professor P. Ayres, Dr. G. Bassler, Dr. J. Bear, Dr. S. Chandra, Dr. G. Clark, Professor M. Coyne, Dr. D. Craig, Mrs. C. Dutton, Dr. J. Evans, Dr. S. Ghazala, Dr. H. Hulan, Dr. R. Klein, Professor V. Kuester, Dr. W. Locke, Dr. R. Lucas, Dr. I. Mazurkewich, Dr. M. Mulligan, Dr. V. Maxwell, Dr. D. McKay, Dr. R. Payne, Dr. H. Pike, Dr. N. Rich, Dr. V. Richardson, Dr. G. Sabin, Dr. S. Saha, Dr. D. Thompson, Dr. D. Treslan, Dr. D. Tulett, Dr. R. Venkatesan, Dr. K. Vidyasankar, Professor D. Walsh, Dr. B. Watson, Mr. B. Whitelaw, Dr. P. Wilson, Dr. S. Wolinetz, Ms. N. Peckford, Mr. S. Kar, Mr. D. Newton, Mr. C. Corbett, Ms. D. Hardy, Ms. K. McDonald, Ms. L. Patey, Ms. N. Pike, Mr. S. Shave.

#### 61. APOLOGIES FOR ABSENCE

Apologies were received from the President, Professor K. Hestekin, Dr. R. Rivkin, Dr. C. Wood, Mr. Jason Dalton.

Dr. H. Gaskill, Dr. D. Goldstein and Ms. R. Preston were also in attendance by invitation.

#### 62. MINUTES

The Minutes of the regular meeting held on January 12, 1999, were taken as read and confirmed.

### 63. REPORT OF THE EXECUTIVE COMMITTEE ON SENATE

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

\*Report of the Senate Committee on Undergraduate Studies

#### 63.1 School of Physical Education, Recreation and Athletics

Page 53, 1998–99 University Calendar, following the heading F. Classification of Degrees, insert the following in the first paragraph:

"Bachelor of Kinesiology (Co-operative)"

Page 53, 1998–99 University Calendar, following the heading F. Classification of Degrees, amend clause 2., as follows:

After Honours Degree of Bachelor of Physical Education insert the following:

"Bachelor of Recreation Honours (Co-operative) or Bachelor of Kinesiology Honours (Co-operative)"

Page 274, 1998–99 University Calendar, following the heading Table of Contents, insert the following:

"Bachelor of Kinesiology (Co-operative)

Bachelor of Kinesiology Honours (Co-operative)..."

Page 275, 1998–99 University Calendar, following the heading School of Physical Education and Athletics, sub-heading General Comments, amend the second paragraph as follows:

"...in the field of kinesiology/physical education/recreation..."

Page 275, 1998–99 University Calendar, following the heading School of Physical Education and Athletics, sub-heading General

Comments, between the second and third paragraphs insert the following:

"A Bachelor of Kinesiology (Co-operative) consists of seven academic terms and three work terms in positions related to the student's future career.

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

After the ninth paragraph add the following:

"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."

Page 276, 1998-99 University Calendar, delete the following:

"Courses Available to Students not Enrolled in the Bachelor of Physical Education (Co-operative) and the Bachelor of Recreation (Co-operative)"

and replace with the following:

"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)"

Page 276, 1998-99 University Calendar, add the following new section before Physical Education Courses as follows:

"Kinesiology Courses

2000. Introduction to Kinesiology, Physical Education and Recreation

2002. Coaching

2600. Introduction to Human Nutrition

3002. Advanced Coaching"

Following the sub-heading Physical Education Courses, amend the course title for 2000 as follows:

"2000. Introduction to Kinesiology, Physical Education and Recreation"

Following the sub-heading Recreation Courses, amend the course title for 2000 as follows:

"2000. Introduction to Kinesiology, Physical Education and Recreation"

Following the sub-heading Non-Academic Regulations, and before the section Regulations for the Degree of Bachelor of Physical Education (Co-operative), insert the following:

"Regulations for the Degree of Bachelor of Kinesiology (Co-operative)

#### Admission

1) Admission to the Bachelor of Kinesiology (Co-operative) 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.

NOTE: Students intending to undertake the Bachelor of Kinesiology (Co-operative) programme should note that it is possible to enter Term 1 only in the fall semester (September of each year). Attention is drawn to the admission regulations below.

2) Application forms are available from the Office of the Registrar. Applications 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 Kinesiology (Co-operative) 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 of Newfoundland in the 2 preceding semesters), and any supporting documentation.

NOTE: Admission/re-admission to the University does not necessarily constitute admission/re-admission to the Bachelor of Kinesiology (Co-operative) programme.

4) To be considered for direct-entry from high school to the Bachelor of Kinesiology (Co-operative) programme, students are required to meet the General Admission requirements of Memorial University of Newfoundland as outlined in the university calendar. Specifically, students must have completed Level III Advanced Math or Level III Academic Math with a grade of at least 70% or Level III Academic Math and scored at least 50% on the Math Skills Inventory as well as Level III Laboratory Science with a grade of at least 70%.

5) Applicants seeking admission to the Bachelor of Kinesiology (Co-operative) 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 60% 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 may indicate on their Application for Admission to the Bachelor of Kinesiology (Co-operative) programme that they wish to be considered for Advanced Standing. The Admissions Committee will forward its recommendation for advanced standing to the Committee on Undergraduate Studies of the School for approval. No applicant granted advanced standing will be admitted beyond Academic Term 4.

Students admitted to the programme at a level beyond Academic Term 1, without successfully completing all courses required up to

that level, must successfully complete each course prior to the end of Academic Term 7. Successful completion shall mean a grade of 50% or higher in all non-Kinesiology, non-Physical Education and non-Recreation courses, and 60% or higher in Kinesiology, Physical Education and Recreation courses.

7) 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. This application may then be considered in competition with all other students and as resources permit.

8) 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 General University Regulations).

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

### Programme of Study

1) The full-time, one hundred and twenty credit hour Bachelor of Kinesiology (Co-operative) degree programme requires sixty-six Kinesiology credit hours and fifty-four non-Kinesiology, non-Physical Education and/or non-Recreation credit hours and three Work Terms.

2) Academic terms and work periods shall normally be taken in the sequence as set out in Table 6, Plan of Operation, Bachelor of Kinesiology (Co-operative) Degree Programme. The sixty-six required and elective Kinesiology credit hours shall normally be taken in academic terms in the sequence and order and as set out in the Required Courses section in Table 5, Bachelor of Kinesiology (Co-operative) Degree Programme. The fifty-four required and twelve elective Kinesiology credit hours are:

a) Fifty-four required credit hours as follows: Kinesiology 2000, Kinesiology 2300, Kinesiology 2310, Kinesiology 2320, Kinesiology

3340, Kinesiology 2600 (or Biochemistry 2600), Kinesiology 3300, Kinesiology 3310, Kinesiology 3410, Kinesiology 4420, Kinesiology 3320, Kinesiology 4310, Kinesiology 4320, Kinesiology 4330, Kinesiology 4600, Kinesiology 4610, Kinesiology 4702 and Kinesiology 4703.

b) Twelve credit hours in elective Kinesiology/Recreation courses chosen from the following: Kinesiology 2002, Kinesiology 3002, Kinesiology 3360, Kinesiology 4700, Kinesiology 4701, Kinesiology 4720, Recreation 3535, Recreation 4545, Recreation 4555, and Recreation 4565.

3) The fifty-four non-Kinesiology, non-Physical Education and non-Recreation credit hours are:

a) English 1080 and 1110, or equivalent

b) 6 credit hours chosen from Math 1000, Math 1001, Math 1080 or Math 1081

c) Chemistry 1010 and 1011 or equivalent

d) Six credit hours in Psychology

e) Physics 1020

f) Biology 2040

g) Computer Science 2650 (highly recommended), or Computer Science 1700

h) Statistics 2550

i) eighteen credit hours in courses at the 2000 level or higher from the Faculties of Arts and Science other than those listed above in Clauses 3a) to 3h) or from other Faculties or Schools approved by this School's Committee on Undergraduate Studies.

j) Every candidate shall normally be required to complete three work terms.

4) The need for 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 the Committee on Undergraduate Studies of the School to allow an exemption request to be considered. Notwithstanding the preceding, students must successfully complete a minimum of two work terms."

Page 280, 1998–99 University Calendar, following Table 4, insert the following two tables:

"Table 5: Bachelor of Kinesiology (Co-operative) Degree Programme

Term	Required Courses	Elective Courses
Academic Term 1: Fall		

KIN 2000

English 1080

Mathematics 1000 or 1080

Chemistry 1010

Computer Science 2650 (recommended) or 1700

Academic Term 2: Winter

KIN 2300

English 1110

Mathematics 1001 or 1081

Chemistry 1011

Psychology 1000

Summer Open  
Academic Term 3: Fall



KIN 2310

Statistics 2550

Biology 2040

6 credit hours in non-KIN, non-RECR or non-PHSD (Must complete Psychology 1001 and Physics 1020 prior to Term 6)

3 credit hours from Clause 3. j) under Programme of Study  
Academic Term 4: Winter

KIN 2320

KIN 3340

KIN 2600 or BIOC 2600

6 credit hours in non-KIN, non-PHSD or non-RECR (Must complete Psychology 1001 and Physics 1020 prior to Term 6)

3 credit hours in non-KIN, non-PHSD or non-RECR  
Work Term 1: Summer Co-op Experience  
Academic Term 5: Fall

KIN 3300

KIN 3310

KIN 3410

KIN 4420

3 credit hours in non-KIN, non-PHSD or non-RECR; AND

3 credit hours from Clause 3.j) under Programme of Study

Work Term 2: Winter Co-op Experience  
Academic Term 6: Summer

KIN 3320

KIN 4310

KIN 4320

KIN 4330

KIN 4600

3 credit hours from Clause 3.j) under Programme of Study  
Work Term 3: Fall Co-op Experience  
Academic Term 7: Winter

KIN 4610

KIN 4702

KIN 4703

3 credit hours from Clause 3.j) under Programme of Study;  
AND

6 credit hours in non-KIN, non-PHSD or non-RECR

Table 6

Plan of Operation

The Bachelor of Kinesiology (Co-operative) Degree Programme

Year

of

Entry

	1999	2000	2001	2002	2003
Sep-Dec	Jan-Apr	May-Aug	Sep-Dec	Jan-Apr	May-Aug
Aug	Sep-Dec	Jan-Apr	May-Aug	Sep-Dec	Jan-Apr
1999	Term				

1

Term

2

Open Term

3

Term 4    WorkTerm 1    Term 5    Work Term 2    Term  
6    Work Term 3    Term 7  
2000                      Term

1

Term 2    Open    Term 3    Term 4    Work Term 1  
Term 5    Work Term 2    Term 6    Work Term 3

Page 281, 1998–99 University Calendar, following the heading Evaluation and Promotion, paragraph 1, amend sentence 2 to read as follows:

"A student of Kinesiology, Physical Education and recreation should be able..."

Amend clause 1) to read as follows:

"1) The Academic Council of the School constitutes the examining body for all Kinesiology, Physical Education and Recreation evaluations."

Amend clause 5) to read as follows:

"5) ...no longer in the Bachelor of Kinesiology (Co-operative), Bachelor of Physical Education (Co-operative) or Bachelor of Recreation (Co-operative) Programmes."

Amend clause 6) a) to read as follows:

"6) a) ...in all Kinesiology, Physical Education and Recreation courses and at least 50% in all non-Kinesiology, non-Physical Education and non-Recreation courses."

Amend clause 6) b) to read as follows:

"6) b) ...and at most one Kinesiology, Physical education or Recreation course mark below 60%."

Amend clause 10) to read as follows:

"10) ...Academic Term 7 for Bachelor of Kinesiology (Co-operative), Bachelor of Kinesiology Honours (Co-operative)..."

Amend clause 12) to read as follows:

"12) ...in the subject of the Kinesiology, Physical Education and Recreation course..."

Amend clause 13) to read as follows:

"13) ...in that term...A non-Kinesiology, non-Physical Education or non-Recreation elective course..."

"...when students...but failed a non-Kinesiology, non-Physical Education or non-Recreation elective course..."

Amend clause 14) to read as follows:

"14) ...to the Bachelor of Kinesiology (Co-operative)..."

Page 282, 1998-99 University Calendar, before the heading Regulation for the Degree of Bachelor of Physical Education Honours (Co-operative), insert the following:

"Regulations for the Degree of Bachelor of Kinesiology Honours (Co-operative)

1. The Bachelor of Kinesiology Honours (Co-operative) Degree signifies superior academic achievement.
2. To be considered for the Bachelor of Kinesiology Honours (Co-operative) Degree, candidates must so indicate on the "Application for Graduation" which is available from the Office of the Registrar.
3. In addition to meeting the requirements of the general Degree of Bachelor of Kinesiology (Co-operative), in order to receive the Degree of Bachelor of Kinesiology Honours (Co-operative), a candidate shall obtain:

a grade of 75% or better in each of the Kinesiology, Physical Education or Recreation courses required for the degree;

b) an average of at least 65% on the total number of non-Kinesiology, non-Physical Education or non-Recreation courses required for the degree; and

an overall average of 75% on the 120 credit hours required for the degree.

A candidate for the Bachelor of Kinesiology Honours (Co-operative) Degree who does not fulfill the conditions of Clauses 3., 3.a), b) and c) above but fulfills the requirements for the general Degree of Bachelor of Kinesiology (Co-operative), shall be awarded the Degree of Bachelor of Kinesiology (Co-operative).

4. A candidate who has been required to withdraw from the programme as a result of not meeting the requirements of either an academic or work term will not be eligible for the Bachelor of Kinesiology Honours (Co-operative) Degree.

5. Candidates are not permitted to repeat or substitute courses for the purpose of meeting the academic standing specified in Clauses 3., 3.a), b) and c) above."

Page 283, 1998-99 University Calendar, before the heading Physical Education (PHSD) Course Descriptions, add the following:

#### "Kinesiology (KIN) Course Descriptions

2000. Introduction to Kinesiology, Physical Education and Recreation. An introduction to the philosophical, scientific, socio-cultural and historical concepts and influences in Kinesiology, Physical Education and Recreation.

Lectures: Three hours per week.

NOTE: Same as PHSD 2000 or RECR 2000.

2002. Coaching. An introduction of the various methods, principles and theories used to coach developing athletes in various sport settings. Factors such as the coach's role, planning, analysing and developing skills, sport safety, and, physical preparation will be presented with an emphasis on attaining competency in these areas.

Lectures: Three hours per week.

NOTE: Same as or PHSD 2002 and the former PHSD 421A/B.

2300. Growth and Development. Introductory study of human growth and development factors and their influence on the learning of motor skills.

Lectures: Three hours per week.

NOTE: Same as PHSD 2300 and the former PHSD 2120.

2310. Human Anatomy. A study of the structure of the human body with emphasis on selected systems (neural, muscular, skeletal, cardiovascular, respiratory).

Lectures: Three hours per week.

Laboratory: Two hours per week.

NOTE: Same as PHSD 2310.

2320. Primary Human Physiology. A study of bodily functions with emphasis of selected systems (neural, muscular, cardiovascular, respiratory).

Lectures: Three hours per week.

Laboratory: Two hours per week.

NOTE: Same as PHSD 2320.

2600. Introduction to Human Nutrition. This course gives an overview of human nutrition with an emphasis on topics of current interest. Students will gain an understanding of nutrition in the context of health maintenance across the life span. Topics covered will include nutrition during pregnancy, nutrition for infants, Canadian Recommended Nutrient Intake/Dietary Reference Intake, weight loss and weight gain, nutraceuticals and ergogenic aids.

Lectures: Three hours per week.

NOTE: Same as BIOC 2600.

3002. Advanced Coaching. An advanced study of the various methods, principles and theories used to coach athletes in various sport settings. Topics such as planning, the coach's role, analysing and developing skills, mental training, physical preparation and development of a personal coaching plan will be studied with an emphasis on attaining competency in these areas. Practical coaching experience is a required component of the course.

Lectures: Three hours per week.

Laboratory: Three hours per week. Students will participate in practical coaching situations from which coaching journals will be developed for course evaluation.

Prerequisite: KIN 2002 or PHSD 2002.

NOTE: Same as PHSD 3002 and the former PHSD 421A/B.

3300. Motor Learning. This course will present an overview of motor learning and performance variables and their application to the teaching of physical skills, and will investigate motor control issues related to skill instruction.

Lectures: Three hours per week.

Laboratory: Two hours per week.

Prerequisite: KIN 2300 or PHSD 2300.

NOTE: Same as PHSD 3300 and the former PHSD 2120.

3310. Physiology of Exercise. Physiological effects of and body adaptations to muscular exercise, physical conditioning and training.

Lectures: Three hours per week.

Laboratory: Three hours per week.

Prerequisite: KIN 2320 or PHSD 2320.

3320. Introduction to Biomechanics. The analysis of human movement; the mechanics of motion and the general application of kinesiology.

Lectures: Three hours per week.

Laboratory: Two hours per week.

Prerequisites: KIN 2310 and KIN 2320 or PHSD 2310 and PHSD 2320 or permission of the instructor. In addition, it is strongly recommended that students successfully complete Physics 1020 prior to enrolling in this course.

NOTE: Same as PHSD 3320.

3340. Adapted Physical Activity. The course presents an overview of current practices, philosophies and issues related to physical activity and recreation for persons with disabilities. Knowledge and understanding of various disabling conditions and consequent needs of persons with disabilities, including health, safety and fitness, and how these needs may be met in terms of physical activity will be emphasized.

Lectures: Three hours per week.

NOTE: Same as PHSD 3340 or RECR 3340.

3360. Care and Prevention of Athletic Injuries. A basic introduction to the field of athletic therapy and sports medicine. The content focuses on the prevention and care of sports injuries and covers topics such as: preventive screening; safe environments; on the spot assessment and First Aid; legal responsibility; supportive taping/wrapping.

Prerequisites: KIN 2310 or PHSD 2310; and a Basic First Aid Course.

NOTE: Same as PHSD 3360.

3410. Sociology of Sport. Analysis of functions of sport in Canadian and North American society. Areas include social organization of



sport, sport and social processes, sport and social problems, socialization and stratification of sport, and violence in sport.

Lectures: Three hours per week.

NOTE: Same as PHSD 3410 or SOCI 3410.

4310. Evaluation. Programme evaluation and measurement of the components of physical performance. Statistical treatment and interpretation of data.

Lectures: Three hours per week.

Laboratory: Two hours per week.

NOTE: Same as PHSD 4310.

4320. Fitness Leadership. A course designed to prepare professionals in the administrative, interpretive, instructional, interpersonal and pedagogic competencies required for, and associated with fitness testing, teaching and leadership.

Lectures: Three hours per week.

Prerequisite: KIN 3310 or PHSD 3310.

NOTE: Same as PHSD 4320.

4330. Social Psychology of Sport, Physical Activity and Recreation. An introduction to the psychological factors that influence participation in sport, exercise, physical activity, recreation and the psychological effects derived from participation.

Lectures: Three hours per week.

Prerequisite: Permission of the instructor.

NOTE: Same as PHSD 4330.

4420. Issues. In this course students will explore through research and discussion, trends and issues basic to the profession including areas in physical education, health, fitness, and lifestyle industries.

Lectures: Three hours per week.

NOTE: Same as PHSD 4420.

4600. Introduction to Research. An introduction to research methodologies currently employed in Kinesiology.

Lectures: Three hours per week.

NOTE: Same as PHSD 4600 or RECR 4600.

4610. Kinesiology Research Project. A detailed study, directed by a Faculty member of the School, of a selected topic in the field of Kinesiology. The topic must be approved by the Director of the School.

Lectures: Three hours per week.

Prerequisites: KIN 4310 and KIN 4600 or PHSD 4310 and PHSD 4600, and one of Statistics 2500 or Statistics 2550.

NOTE: Same as PHSD 4610 or RECR 4610.

4700. Advanced Fitness Training and Assessment. This course will prepare students to assess, prescribe, demonstrate, supervise, educate, and counsel apparently healthy individuals across the lifespan on information related to physical activity/exercise, fitness and health. The successful completion of this course will allow students to apply for a certification as a Professional Fitness and Lifestyle Consultant from the Canadian Society of Exercise Physiology.

Lectures: Three hours per week

Laboratory: Two hours per week

Prerequisite: KIN 4320 or PHSD 4320.

4701. Environmental Physiology. This course will examine human behavioral, autonomic and metabolic responses to extreme environments. This will include the study of human responses seen

during changes from normal ambient temperature and pressure, to those experienced in the environments encountered during undersea diving, space travel, altitude and other similar environments.

Lectures: Three hours per week.

Prerequisite: KIN 2320 or PHSD 2320 or permission of the instructor.

4702. Advanced Exercise Physiology. This course will prepare students to acquire the knowledge necessary to understand, analyse and integrate information and experiences related to physiological adaptations occurring with acute and chronic activity and disuse.

Lectures: Three hours per week

Laboratory: Two hours per week

Prerequisite: KIN 3310 or PHSD 3310

4703. Occupational Ergonomics and Sport Biomechanics. This course will focus on the contrast between biomechanical analyses of workplace tasks and athletic movement. Students will conduct a detailed biomechanical analysis of a given movement, in the workplace or for a given sport, with regard to both the probability of injury and optimization of performance.

Lectures: Three hours per week.

Laboratory: Two hours per week

Prerequisite: KIN 3320 or PHSD 3320, and Physics 1020.

4720. Directed Study. Approval of Committee on Undergraduate Studies and the instructor. (Permission to enroll to be obtained in the term preceding enrolment).

Lectures: Three hours per week."

Page 283, 1998–99 University Calendar, following the heading Physical Education (PHSD) Course Descriptions, delete the entry for PHSD 2000 in its entirety and replace with the following:

"2000. Introduction to Kinesiology, Physical Education and Recreation.

An introduction to the philosophical, scientific, socio-cultural and historical concepts and influences in Kinesiology, Physical Education and Recreation...

NOTE: Credit may be obtained for only one of KIN 2000, PHSD 2000 or RECR 2000."

Amend the NOTE for PHSD 2300 to read as follows:

"NOTE: Credit may be obtained for only one of PHSD 2300 and the former 2120, or KIN 2300.

Amend the entry for PHSD 2310 to read as follows, and add the following new NOTE:

"...on selected systems (neural, muscular etc...)..."

NOTE: Credit may be obtained for only one of PHSD 2310 or KIN 2310."

Amend the entry for PHSD 2320 to read as follows, and add the following new NOTE:

"...on selected systems (neural, muscular etc...)..."

NOTE: Credit may be obtained for only one of PHSD 2320 or KIN 2320."

Amend the prerequisite and NOTE for PHSD 3300 as follows:

"Prerequisite: PHSD 2300 or KIN 2300.

NOTE: Credit may be obtained for only one of PHSD 3300 and the former PHSD 2120, or KIN 3300."

Amend the prerequisite for PHSD 3310 and add the following new NOTE:

"Prerequisite: PHSD 2320 or KIN 2320.

NOTE: Credit may be obtained for only one of PHSD 3310 or KIN 3310."

Change the course title for PHSD 3320, amend the prerequisite, and add a new NOTE as follows:

"3320. Introduction to Biomechanics.

Prerequisites: PHSD 2310 and PHSD 2320 or KIN 2310 and KIN 2320, or permission of the instructor. In addition, it is strongly recommended that students successfully complete Physics 1020 prior to enrolling in this course.

NOTE: Credit may be obtained for only one of PHSD 3320 or KIN 3320."

Change the course title for PHSD 3340, and amend the NOTE as follows:

"3340. Adapted Physical Activity.

NOTE: Credit may be obtained for only one of PHSD 3340, RECR 3340 or KIN 3340."

Amend the prerequisite for PHSD 3360, and add the following new NOTE:

"Prerequisite: PHSD 2310 or KIN 2310; and a Basic First Aid Course.

NOTE: Credit may be obtained for only one of PHSD 3360 and KIN 3360."

For PHSD 3410 add the following new NOTE:

"NOTE: Credit may be obtained for only one of PHSD 3410, KIN 3410 or SOCI 3410."

Change the course title for PHSD 4310, and add the following new NOTE:

"4310. Evaluation.

NOTE: Credit may be obtained for only one of PHSD 4310 or KIN 4310."

Amend the prerequisite for PHSD 4320, and add the following new NOTE:

"Prerequisite: PHSD 3310 or KIN 3310

NOTE: Credit may be obtained for only one of PHSD 4320 or KIN 4320."

For PHSD 4330 amend the course description to read as follows, and amend the NOTE:

"...participation in sport, exercise and physical activity and the psychological...

NOTE: Credit may be obtained for only one of PHSD 4330, RECR 4330 or KIN 4330."

Change the course title for PHSD 4420, amend the course description, amend the lectures, and add the following new NOTE as follows:

"4420. Issues

...issues basic to the profession including areas in physical education, health, fitness, and lifestyle industries.

Lectures: Three hours per week.

NOTE: Credit may be obtained for only one of KIN 4420 or PHSD 4420."

Change the course title for PHSD 4600, amend the course description, amend the NOTE:

"4600. Introduction to Research.

...currently employed in Kinesiology.

NOTE: Credit may be obtained for only one of PHSD, RECR or KIN 4600"

For PHSD 4600 delete the following:

"Prerequisite: Physical Education 4310."

Amend the course description, prerequisites and NOTE for PHSD 4610 as follows:

"A detailed study, directed by a Faculty member of the School, of a selected topic...

Prerequisites: PHSD 4310 and PHSD 4600 or KIN 4310 and KIN 4600; and Statistics 2500 or Statistics 2550.

NOTE: Credit may be obtained for only one of PHSD, RECR or KIN 4610."

Page 284, 1998–99 University Calendar, following the heading Recreation (RECR) Course Descriptions, amend the course title for RECR 2000, the course description, and the NOTE as follows:

"2000. Introduction to Kinesiology, Physical Education and Recreation.

...and influences in Kinesiology, Physical Education and Recreation....

NOTE: Credit may be obtained for only one of RECR 2000, KIN 2000 or PHSD 2000."

Amend the NOTE for RECR 3340 to read as follows:

"NOTE: Credit may be obtained for only one of RECR 3340, PHSD 3340 or KIN 3340."

Amend the NOTE for RECR 4330 to read as follows:

"NOTE: Credit may be obtained for only one of RECR 4330, PHSD 4330 or KIN 4330."

Amend the course title and the NOTE for RECR 4600 to read as follows:

"4600. Introduction to Research

NOTE: Credit may be obtained for only one of RECR 4600, PHSD 4600 or KIN 4600."

Amend the course description, prerequisite and NOTE for RECR 4610 as follows:

"A detailed study, directed by a Faculty member of the School, of a selected topic...

Prerequisite: RECR 4600, KIN 4600 or PHSD 4600 and one of STATS 2500 or STATS 2550.

NOTE: Credit may be obtained for only one of RECR 4610, PHSD 4610 or KIN 4610."

Page 285, 1998–99 University Calendar, following the heading Work Terms, add the following:

"KINESIOLOGY WORK TERMS

001W. Work Term I (KIN)(Spring Semester). This Work Term follows successful completion of Academic Term 4. Students are expected to learn, develop and practice high standards of professional behavior and performance in the work environment. A student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

reflect a clear understanding of job events and work place expectations;



demonstrate an understanding of a formal report format, personal job diary, work term journal or portfolio (depending on the choice of submission); and

c) show reasonable competence in written communication skills.

NOTE: Seminars on professional development and/or computer skills are conducted by the School in conjunction with the Office of Co-operative Education. The seminars are presented during academic Term 2 with the intent to introduce and prepare the student for participation in subsequent Work Terms. Topics will include technical report writing, written and oral communication skills, resume preparation, employment seeking skills, career planning, ethics and professional concepts, work place expectations and employment standards.

002W. Work Term 2 (KIN)(Winter Semester). This work term follows successful completion of Academic Term 5. Students are expected to further expand and develop their professional knowledge and skills, while demonstrating the ability to accept increased responsibility and challenge in the work place. A Work Term student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

a) demonstrate an advanced understanding of the industry in general, knowledge of the organization they are employed by, and the student's role within the company;

b) indicate a clear understanding of a personal job diary and its contents; and

c) show competencies in written communication skills.

003W. Work Term 3 (KIN)(Fall Semester). This work term follows successful completion of Academic Term 6. Students should have sufficient academic grounding and work experience to exercise greater independence and responsibility in their assigned work. A Work Term student must submit a Work Report. (See UNIVERSITY

REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report is based on a significant project developed by the student with input from the employer. The Work Report will consist of either:

a) a formal work report demonstrating technical content, structure and communications skills; or

b) a presentation using the latest in computer technology and applications."

Page 285, 1998–99 University Calendar, delete the heading Physical Education Co-operative Programme and replace it with the following:

"Kinesiology, Physical Education and Recreation Co-operative Programmes"

Page 276, 1998–99 Calendar, under the heading Regulations for the Degree of Bachelor of Physical Education (Co-operative), sub-heading Admission, add new clause 7) as follows:

"7). 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 and as resources permit."

Renumber the current clause 7) as 8) and the current clause 8) as 9).

Page 279, 1998–99 University Calendar, under the heading Regulations for the Degree of Bachelor of Recreation (Co-operative), sub-heading Admission, add new clause 8) as follows:

"8). 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 and as resources permit."

Renumber the current clause 8) as 9) and the current clause 9) as 10).

Page 282, 1998–99 University Calendar, under the heading Regulations for the Degree of Bachelor of Recreation Honours (Co-operative), delete clauses 1) and 2) and replace with the following:

"1) To be considered for the Bachelor of Recreation Honours (Co-operative), candidates must so indicate on the "Application for Graduation" which is available from the Office of the Registrar."

Renumber clauses 3) and 4) as 2) and 3) respectively.

Delete clauses 5), 5)a), b), c), 6), and 7) and replace with:

"4) Students must attain an overall average of at least 75% in RECR, PHSD and KIN 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 (Co-operative) Degree who fails to fulfill the conditions of Clause 4) above but fulfills the requirements for the Degree of Bachelor of Recreation (Co-operative), shall be awarded the Degree of Bachelor of Recreation (Co-operative)."

Page 284, 1998–99 University Calendar, under the heading Recreation (RECR) Course Descriptions, add the following prerequisite to 4600. Introduction to Research in Physical Education and Recreation:

"Prerequisite: Statistics 2500 or permission of the instructor."

#### New Courses

"3505. Adventure Programming. This course introduces the theory and practice of adventure programming. Topics covered in the course will include briefing, activity selection, sequencing, group development, and risk management. The use of adventure

programming with a variety of populations will be explored. Skill development in adventure activity facilitation and processing is stressed throughout the course.

Lectures: Three hours per week.

Prerequisite: Recreation 2505 or Permission of the Instructor."

"3585. Recreation and Persons with Disabilities. This course is designed to provide students with an understanding of the theoretical perspectives that have guided the development of recreation services which are aimed at meeting the needs of individuals with disabilities. It will introduce students to current recreation services, Programmes and supports for persons with disabilities in Canada.

Lectures: Three hours per week.

Prerequisite: Recreation 3340 or Physical Education 3340."

Page 276, 1998–99 University Calendar, following the heading Courses Available to Non–Bachelor of Recreation (Co–operative) Students, add the following:

"Recreation 3505. Adventure Programming"

Page 283, 1998–99 University Calendar, following the heading Physical Education (PHSD) Course Descriptions, after the course description for 3410., add the following NOTE:

"NOTE: Credit may be obtained for only one of PHSD 3410, KIN 3410 or SOCI 3410."

Page 285, 1998–99 University Calendar, delete the section Work Terms in its entirety and replace with the following:

"PHYSICAL EDUCATION WORK TERMS

001W. Work Term I (PHSD)(Spring Semester). This Work Term follows successful completion of Academic Term 2. Students are expected to learn, develop and practice high standards of professional behaviour and performance in the work environment. A

student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

- a) reflect a clear understanding of job events and work place expectations;
- b) demonstrate an understanding of a formal report format, personal job diary, work term journal or portfolio (depending on the choice of submission); and
- c) show reasonable competence in written communication skills.

NOTE: Seminars on professional development and/or computer skills are conducted by the School in conjunction with the Office of Co-operative Education. The seminars are presented during Academic Term 2 with the intent to introduce and prepare the student for participation in subsequent Work Terms. Topics will include technical report writing, written and oral communication skills, resume preparation, employment seeking skills, career planning, ethics and professional concepts, work place expectations and employment standards.

002W. Work Term 2 (PHSD)(Winter Semester). This work term follows successful completion of Academic Term 3. Students are expected to further expand and develop their professional knowledge and skills while demonstrating the ability to accept increased responsibility and challenge in the work place. A Work Term student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

- a) demonstrate an advanced understanding of the industry in general, knowledge of the organization they are employed by, and the student's role within the company;
- b) indicate a clear understanding of a personal job diary and its contents; and

c) show competencies in written communication skills.

003W. Work Term 3 (PHSD)(Fall Semester). This work term follows successful completion of Academic Term 4. Students should have sufficient academic grounding and work experience to exercise greater independence and responsibility in their assigned work. A Work Term student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report is expected to be based on a significant project developed by the student with input from the employer. The Work Report will consist of either:

a) a formal report demonstrating technical content, structure and communication skills; or

b) a presentation using the latest in computer technology and applications."

Page 278, 1998–99 University Calendar, delete Table 2 and replace with:

## TABLE 2

### PLAN OF OPERATION

#### THE CO-OPERATIVE BACHELOR OF PHYSICAL

#### EDUCATION PROGRAMME

Year

of

entry

1998

1999

2000

2001

2002

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  
1998      Term

1  
Term

2  
OPEN      Term

3  
Term

4  
Work

Term

1  
Term

5  
Work

Term

2  
Term

6  
Work

Term

3  
Term

7

1999 Term

1  
Term

2  
OPEN Term

3  
Term

4



Work  
Term  
1  
Term  
5  
Work  
Term  
2  
Term  
6  
Work  
Term  
3

Add the following after the new section entitled Physical Education Work Terms:

#### "RECREATION WORK TERMS

001W. Work Term I (RECR)(Spring Semester). This Work Term follows successful completion of Academic Term 4. Students are expected to learn, develop and practice high standards of professional behaviour and performance in the work environment. A student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

a) reflect a clear understanding of job events and work place expectations;

b) demonstrate an understanding of a formal report format, personal job diary, work term journal or portfolio (depending on the choice of submission); and

c) show reasonable competence in written communication skills.

NOTE: Seminars on professional development and/or computer skills are conducted by the School in conjunction with the Office of Co-operative Education. The Seminars are presented during Academic Term 2 with the intent to introduce and prepare the student for participation in subsequent Work Terms. Topics will include technical report writing, written and oral communication skills, resume preparations, employment seeking skills, career planning, ethics and professional concepts, work place expectations and employment standards.

002W. Work Term 2 (RECR)(Winter Semester). This work term follows successful completion of Academic Term 5. Students are expected to further expand and develop their professional knowledge and skills while demonstrating the ability to accept increased responsibility and challenge in the work place. A Work Term student is required to submit a Work Report. (See UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report should, at a minimum:

a) demonstrate an advanced understanding of the industry in general, knowledge of the organization they are employed by, and the student's role within the company;

b) indicate a clear understanding of a personal job diary and its contents; and

c) show competencies in written communication skills.

003W. Work Term 3 (RECR)(Fall Semester). This work term follows successful completion of Academic Term 6. Students should have sufficient academic grounding and work experience to exercise greater independence and responsibility in their assigned work. A Work Term student is required to submit a Work Report. (See

UNIVERSITY REGULATIONS, B. TUITION FEES, 1. Undergraduate Students for Co-operative Education Work Term fees).

The Work Report is expected to be based on a significant project developed by the student with input from the employer. The Work Report will consist of either:

a) a formal report demonstrating technical content, structure and communication skills; or

b) a presentation using the latest in computer technology and applications."

Page 285, 1998-99 University Calendar, delete Physical Education (Co-operative Programme and replace with the following:

"Kinesiology, Physical Education and Recreation (Co-operative) Programmes"

63.2 Faculty of Education

Page 246, 1998-99 University Calendar, following the heading Table of Contents, sub-heading Diploma Regulations, add the following:

"Diploma in TeleLearning and Rural School Teaching"

Sub-heading Course List, add the following:

"TeleLearning and Rural School Teaching"

Page 248, 1998-99 University Calendar, following the heading Faculty of Education Degree Regulations, sub-heading Diploma Programmes, add the following:

"Diploma in TeleLearning and Rural School Teaching"

Page 258, 1998-99 University Calendar, before the heading Waiver of Regulations of the Faculty of Education, add the following:

"Admission Requirements for the Diploma in TeleLearning and Rural School Teaching

A programme leading to the Diploma in TeleLearning and Rural School Teaching is offered by the Faculty of Education and is normally offered through TeleLearning/Distance Education.

1) Applications for admission are considered three times per year and are available from the Office of Undergraduate Student Services, Faculty of Education. The deadlines for submission of applications are June 15 for admission to the Fall Semester, October 1 for admission to the Winter Semester, and January 15 for admission to the Spring Semester.

2) To be considered for admission to the Diploma in TeleLearning and Rural School Teaching, a student must hold a degree in Primary, Elementary or Intermediate/Secondary Education from Memorial University or some other recognized university or hold another Education degree deemed appropriate by the Faculty of Education.

#### Regulations for the Diploma in TeleLearning and Rural School Teaching

1) To be eligible for the Diploma in TeleLearning and Rural School Teaching a student, in addition to holding an appropriate Degree in Education, shall complete a total of thirty credit hours. The thirty credit hours shall include:

(i) Eighteen compulsory core credit hours as follows:

Education 4900, 4901, 4902, 4903, 4904, 4905

(ii) Twelve elective credit hours chosen from:

Education 4906, 4907, 4908, 4909, 4910, 4911, 4912, 4913, 4914, 4915, 4920 – 4930

2) A maximum of 6 credit hours referred to in clauses 1)(i) and 1)(ii) above and which have already been counted towards the prerequisite degree in Education may also be counted toward the Diploma in TeleLearning and Rural School Teaching."

Following the heading Course Descriptions, add the following Note:

"NOTE: All courses of the Faculty of Education are normally of a three credit hour value unless otherwise noted."

Following the heading Course Descriptions, sub-heading Legend, add the following after the entry for NS:

"TL: Courses for students on the TeleLearning and Rural School Teaching Programme."

Page 259, following the heading Course Descriptions, insert the following:

#### New Courses

"4900. TeleLearning in a Rural School Intranet (TL). (See course description in TeleLearning and Rural School Teaching Section).

4901. Effective Teaching Strategies for Multi-grade/Multi-age Classrooms (TL). (See course description in TeleLearning and Rural School Teaching Section).

4902. Special Needs in the Context of Rural Schools (TL). (See course description in TeleLearning and Rural School Teaching Section).

4903. Leadership Perspectives in Rural Schools (TL). (See course description in TeleLearning and Rural School Teaching Section).

4904. Contemporary Educational Issues in Rural Schools (TL). (See course description in TeleLearning and Rural School Teaching Section).

4905. Resource-based Learning in the Context of Rural Schools (TL). (See course description in TeleLearning and Rural School Teaching Section).

4906. Career Development in the Context of Rural Schools (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4907. Curriculum Connections in Multi-grade/Multi-age Classrooms (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4908. Rural Schools and Community Relations (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4909. Rural Schools as Community Learning Centres (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4910. Curriculum Implementation in All-grade Rural Schools (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4911. TeleTeaching in a Virtual Classroom (IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4912. Student Assessment in the Context of Rural Schools (P,E,IS,TL). (See course description in TeleLearning and Rural School Teaching Section).

4913. Field-based Experience in a Rural School (TL). (Equivalent to 1 credit hour in Education). (See course description in TeleLearning and Rural School Teaching Section).

4914. Field-based Experience in Rural School (TL). (Equivalent to 2 credit hours in Education). (See course description in TeleLearning and Rural School Teaching Section).

4915. Field-bases Experience in Rural School (TL). (Equivalent to 3 credit hours in Education). (See course description in TeleLearning and Rural School Teaching Section).

4920 – 4930. Special topics Courses in TeleLearning and Rural School Teaching (TL). (See course description in TeleLearning and Rural School Teaching Section)."

Page 267, 1998–99 University Calendar, sub-heading Student Teaching, after Education 4700 insert the following:

"4913. Field-based Experience in a Rural School (TL). (Equivalent to 1 credit hour in Education). (See course description in TeleLearning and Rural School Teaching Section).

4914. Field-based Experience in a Rural School (TL). (Equivalent to 2 credit hours in Education). (See course description in TeleLearning and Rural School Teaching Section).

4915. Field-based Experience in a Rural School (TL). (Equivalent to 3 credit hours in Education). (See course description in TeleLearning and Rural School Teaching Section)."

Page 270, 1998-99 University Calendar, after the section entitled Courses in Adult Teacher Education, add new section as follows:

"Courses in TeleLearning and Rural School Teaching

These courses are designed for students enrolled in the Diploma Programme in TeleLearning and Rural School Teaching and can be used for credit on Programmes as outlined in the Regulations for Degrees and Diplomas and as indicated below:

4900. TeleLearning in a Rural School Intranet (TL). This course will examine the pedagogy of telelearning with particular reference to teaching and learning using the school's Intranet (Local Area Network). This course will examine the implications of integrating telecommunications technologies (e.g., World Wide Web, Internet and STEM~Net/SchoolNet) to enhance the learning environment in multi-grade/multi-age classrooms. This course will focus on telelearning in all subject areas in the primary, elementary and intermediate grades (K-9).

4901. Effective Teaching Strategies for Multi-grade/Multi-age Classrooms (TL). This course begins with a critical examination of traditional approaches to multi-grading. The main focus of the course will be to introduce teachers to the potential of adopting a multi-age approach in small schools which have of necessity grouped children of more than one age group and grade level together for instruction. This course will also examine the implications of implementing a philosophy of multi-age pedagogy in the primary, elementary and intermediate grades (K-9).

4902. Special Needs in the Context of Rural Schools (TL). This course will introduce students to the entire spectrum of special education issues and concerns in the context of multi-grade/multi-age classrooms. The course will make particular reference to the provision of special education services and the implementation of individualized programme planning in multi-grade/multi-age classrooms in rural schools.

NOTE: Credit may be obtained for only one of Education 3220, Education 4240 or Education 4902.

4903. Leadership Perspectives in Rural schools (TL). This course will examine educational theories and the practice of leadership within the context of rural schools. This course will emphasize leadership for educational change and reform with a focus on current and emergent theories and practices. There will also be a particular focus on the contribution of instructional leadership in rural schools. This course will enable leaders to become problem solvers in issues related to the rural context.

4904. Contemporary Educational Issues in Rural Schools (TL). This course will analyze the cultural, political and economic contexts of education in contemporary society with special emphasis on the role of the school in rural communities. The course will give particular reference to social trends in society (local, provincial, regional, national and global) and their effects on rural schools in remote/isolated communities.

4905. Resource-based Learning in the Context of Rural Schools (TL). This course will examine the implications of implementing resource-based learning in the context of multi-grade and/or multi-age classrooms, including learning resources within a school's resource centre as well as those on-line (e.g., access to STEM~net/SchoolNet/Internet and the World Wide Web). This course will emphasize the need for systematic planning, with a focus on curriculum outcomes and performance standards. The course will emphasize the selection of the most appropriate resources and strategies to meet individual student interests and needs, particularly in schools without resource centres. In addition, the course will examine various resources within the community.



NOTE: Credit may be obtained for only one of Education 3480, Education 3801, Education 4480 and Education 4905.

4906. Career Development in the context of Rural schools (P,E,IS,TL). This course will examine both traditional and contemporary theories of career development and their application within rural and remote context. Changes in the nature and structure of work, education, leisure, and society require adaptive career competencies. Students will explore the effective use of telecommunications technologies in designing, implementing, and evaluating Programmes.

NOTE: Credit may be obtained for only one of Education 3211 and Education 4906.

4907. Curriculum Connections in Multi-grade/Multi-age Classrooms (P,E,IS,TL). This course will focus on curriculum connections and intra-disciplinary learning in multi-grade/multi-age classrooms. The course will examine the horizontal and vertical integration of the curriculum in multi-disciplinary and inter-disciplinary contexts. The course will also provide teachers with opportunities to develop themes that connect concepts and skills across disciplines and grade levels in the context of the Essential Graduation Learnings and curriculum outcomes.

4908. Rural Schools and Community Relations (P,E,IS,TL). The course will examine the impact of school councils on the administration of rural schools. The course will focus on the role of school councils in the improvement of teaching and learning in rural schools. The course will also examine the relationships between the school council of a small rural school, the school administration, the community, the school district office and the local economy.

4909. Rural Schools as Community Learning Centres (P,E,IS,TL). This course will explore the role of rural schools as community learning centres in facilitating life-long learning (e.g., pre-school Programmes and adult education). The course will focus on community education using the facilities in the school. There will also be an examination of potential partnerships between the school and the community (e.g., the use of the school's Intranet as the Community Access Site to the Internet).

4910. Curriculum Implementation in All-grade Rural Schools (P,E,IS,TL). This course will examine strategies for implementing the prescribed curriculum in multi-grade/multi-age classrooms as well as offering a senior high school programme in all-grade rural schools (K-12). The course will explore the implications of various schedules in a small all-grade school (K-12) such as Semesterization, Block Scheduling and the Quarter System Timetable. The course will also focus on the implications of centralized scheduling to accommodate the delivery of senior high school courses via telecommunications technologies. This course is intended mainly for school administrators of all-grade rural schools.

4911. TeleTeaching in a Virtual Classroom (IS,TL). This course will examine effective teaching strategies with particular reference to teaching in a virtual classroom through a school district digital Intranet and the use of shared Web-based resources. This course will focus on the delivery of senior high school courses to students in small rural schools using telecommunications technologies and collaborative teaching and learning. This course is intended mainly for secondary teachers.

4912. Student Assessment in the Context of Rural Schools (P,E,IS,TL). This course will examine a broad spectrum of educational assessment issues in the context of curriculum outcomes and performance standards in multi-grade/ multi-age classrooms, including the administration of criterion-reference tests at the end of Grades 3, 6, 9 and 12. The course will also include the interpretation of data with special emphasis on student performance in rural schools.

NOTE: Credit may be obtained for only one of Education 3280, 3281, 3950, 3955, 4912 and Education 4950.

4913, 4914, 4915. Field-based Experience in a Rural School (TL). Field-based experiences will include either a minimum of one credit hour (three weeks, Education 4913), two credit hours (six weeks, Education 4914), or a maximum of three credit hours (nine weeks, Education 4915). Furthermore, the Centre for TeleLearning and Rural Education will develop, in collaboration with the Faculty of

Education, appropriate criteria for the placement of students in rural schools.

NOTE: Credit may only be obtained for a total of 3 credit hours chosen from Education 4913, Education 4914 or Education 4915.

4920–4930. Special Topics Courses in TeleLearning and Rural School Teaching (TL). There will be opportunities for members of the Faculty of Education to research and design additional courses as electives for the Diploma in TeleLearning and Rural School Teaching. Topics to be offered will be announced by the Faculty of Education."

Page 261, 1998–99 University Calendar, following the heading Course Descriptions, add the following NOTE after the course description for 3211:

"NOTE: Credit may be obtained for only one of Education 3211 and Education 4906."

Add the following note after the course description for 3220:

"NOTE: Credit may be obtained for only one of Education 3220 and Education 4902."

Add the following note after the course description for 3280:

"NOTE: Credit may be obtained for only one of Education 3280 and Education 4912."

Add the following note after the course description for 3281:

"NOTE: Credit may be obtained for only one of Education 3281 and Education 4912."

Add the following note after the course description for 3950:

"NOTE: Credit may be obtained for only one of Education 3950 and Education 4912."

Add the following note after the course description for 3955:

"NOTE: Credit may be obtained for only one of Education 3955 and Education 4912."

Add the following note after the course description for 4950:

"NOTE: Credit may be obtained for only one of Education 4912 and Education 4950."

Add the following note after the course description for 4240:

"NOTE: Credit may be obtained for only one of Education 4240 and Education 4902."

Page 262, 1998–99 University Calendar, delete the current note after Education 3480 and replace it with the following:

"NOTE: Credit may be obtained for only one of Education 3480, Education 3801, Education 4480 and Education 4905."

Delete the note after Education 4480 and replace it with the following:

"NOTE: Credit may be obtained for only one of Education 3480, Education 3801, Education 4480 and Education 4905."

Page 269, 1998–99 University Calendar, following the heading Courses in Post–Secondary Education, delete the note after Education 3801 and replace it with the following:

"NOTE: Credit may be obtained for only one of Education 3480, Education 3801, Education 4480 and Education 4905."

Page 250, 1998–99 University Calendar, following the heading Regulations for the Degree of Bachelor of Education (Primary), amend the following concentrations to read as follows:

"Folklore

–1000 or 2000

–2100, 2300, 2401, 2500

-Three credit hours from 3450 or 3930

-Six credit hours from 3000 or 4000 level

### Geography

-1000 & 1001 or 1010 & 1011

-2001, 2102, 2195, 2302

### History

-Six credit hours from 1010-1015, 1200

-2200/2210

-3110, 3120

### Linguistics

-1100 or 2100 or 1101

-2103, 2104, 2210

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

-At least one of these must be a 3000-level course

### Physical Education

-1000, 2210, 2300

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

### Religious Studies

A minimum of 18 credit hours is required, including:

-2051

-At least three credit hours from 1020, 2013, 2130 or 2140

-At least six credit hours at the 3000-level or above"

Page 251, 1998-99 University Calendar, following the heading Regulations for the Degree of Bachelor of Education (Elementary), amend the following concentrations to read as follows:

"Folklore

-1000 or 2000

-2100, 2300, 2401, 2500

-Three credit hours from 3450 or 3930

-Six credit hours from 3000 or 4000 level

Geography

-1000 & 1001 or 1010 & 1011

-2001, 2102, 2195, 2302

History

-Six credit hours from 1010-1015, 1200

-2200/2210

-3110, 3120

Linguistics

-1100 or 2100 or 1101

-2103, 2104, 2210

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

-At least one of these must be a 3000-level course

## Physical Education

-1000, 2210, 2300

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

## Religious Studies

A minimum of 18 credit hours is required, including:

-2051

-At least three credit hours from 1020, 2013, 2130 or 2140

-At least six credit hours at the 3000-level or above"

Page 256, 1998-99 University Calendar, following the heading Regulations for the Degree of Bachelor of Special Education, sub-heading Admissions Requirements, amend clause 3)b)ii) to read as follows:

"AND, have credit for Education 3220 or 3230 or equivalent."

Amend clause 4) to read as follows:

"...shall complete one of Education 3220, 3230 or 4240, and one of Education 4350 or 4352."

Amend NOTE: to NOTES: 1)

Create a new NOTE: 2) as follows:

"2) Provisional acceptance may be granted to students who will successfully complete all prerequisites prior to commencement of Programme."

Page 250, 1998-99 University Calendar, following the sub-heading French Immersion Option, amend "Third Year", to read as follows:

"Professional Year – thirty Education credit hours as specified in the calendar for all students. The required school placements will be in

one of the French Immersion classrooms in Newfoundland and Labrador."

Page 250, 1998–99 University Calendar, following the sub-heading French Immersion Option, sub-heading "Fifth Year", 2nd or 1st Semester, delete:

"in Newfoundland"

Page 269, 1998–99 University Calendar, sub-heading Courses in Native and Northern Education, insert the following courses in the appropriate numerical order:

"2150. Social Studies in the Primary Grades (P,ME,NPE). (See course description in the Course Description section for the Faculty of Education).

2182. An Introduction to the Teaching of Science in the Primary and Elementary Grades (T,ME,NPE). (See course description in the Course Description section for the Faculty of Education).

2194. Physical Education in the Primary and Elementary Grades (P,E,ME,NPE). (See course description in the Course Description section for the Faculty of Education).

2200. Language Arts (P,E,T,NPE,ME). (See course description in the Course Description section for the Faculty of Education).

2202. Education in Native and Northern Communities – An Overview (P,E,T,NPE,NS). (See course description in the Course Description section for the Faculty of Education).

2222. Teaching English as a Second Language (T,NPE,NS). This course includes selection and preparation of materials, and suitable classroom strategies for teaching English as a second language. Stress will be on the methods appropriate to cope with linguistic difficulties encountered in schools by children whose first language is not English.

2250. Educational Psychology (T,NS). A course designed to assist prospective teachers in acquiring competence in understanding and guiding physical, intellectual, emotional and social development,



and in understanding the teaching–learning process through application of principles of learning, motivation, readiness, transfer, and individual differences.

2350. An Introduction to the Teaching of Mathematics in the Primary and Elementary Grades (T,NPE). Intuitive notions of a mathematical system with special emphasis on the concepts, basic mathematical properties and skills associated with the number systems of arithmetic. Additional topics will include relations, functions and basic concepts of Geometry related to the Mathematics Programmes of the elementary school.

2361. The School and Community (T,NPE,NS). A study of the factors which constitute the educational setting in the Native community in comparison with other cultural settings. The school as an institution of cultural transmission and cultural change within the Native and Northern setting will be investigated. An examination of roles played by local individuals and groups in the education process will be addressed. Models to improve communication between school and the community will be studied.

2430. Administration and Supervision in Native and Northern Education (NPE,NS). A study of the administrative structures involved in the education of children of Innu and Inuit backgrounds. The study examines the administrative structures of the past and present with particular reference to the problems which arise in the administration of schools in remote, isolated regions. Further, the study includes an overall examination of the alternative Native processes of education relevant to the philosophy of Native people.

2610. Introduction of Child Development (P,E,ME,T,NPE). (See course description in the Course Description section for the Faculty of Education).

2710. Course Organization and Development (I,NS,PS). (See course description in the Post–Secondary Education section).

3120. Foundations of Art Education (P,E,ME,NS). (See course description in the Course Description section for the Faculty of Education).

3121. Education Through Art (P,E,NS,ME). (See course description in the Course Description section for the Faculty of Education).

3130. Music in the Primary Grades (P,NPE). (See course description in the Course Description section for the Faculty of Education).

3140. Creative Arts (T,NPE). A study of the relationship of music, art and drama to the teaching–learning process with emphasis on Native content. An activity–centred approach will be emphasized.

3190. General Classroom Music (P,E,NPE). (See course description in the Course Description section for the Faculty of Education).

3281. Tests and Measurements (T,NPE,NS). Basic concepts of evaluation involving teacher–made and standardized tests, with particular reference to validity and reliability in cross–cultural situations.

3321. Native Literature (T,N,PE). An examination of Native literature with special emphasis on writings of Native peoples for Native children. Literature which presents the Native point of view will be examined in the light of historical and current developments in Native and northern conditions.

3542. Reading in the Primary and Elementary Grades (NPE). This course is concerned with the teaching of reading in the primary and elementary grades. Special attention is given to the learning needs of children whose first language is not English. Emphasis is placed upon understanding the nature of the reading process and the current practices used in classroom reading instruction for kindergarten through grade six.

NOTE: Credit for this course is restricted to students enrolled in the Bachelor of Education (Native and Northern) Degree programme. Credit may not be obtained for both Education 3542 and either Education 3540 or Education 3545.

3573. History of Native and Northern Education in Canada (P,E,NPE,NS). (See course description in the Course Description section for the Faculty of Education).

3615. Introduction to Human Learning (P,E,NPE). (See course description in the Course Description section for the Faculty of Education).

3943. Curricular Uses of Computers (P,E,IS,NS). (See course description in the Course Description section for the Faculty of Education).

3960. Social Studies in the Elementary Grades (E,ME,NPE). (See course description in the Course Description section for the Faculty of Education).

4151. Advanced French Methodology (IS,NS). (See course description in Course Description section for the Faculty of Education).

4161. The Teaching of Mathematics in the Intermediate and Secondary School (IS,ME,NS). (See course description in the Course Description section for the Faculty of Education).

4163. Advance Mathematics Methodology (IS,NS). (See course description in Course Description section for the Faculty of Education).

4168. The Teaching of Computer Science in the Intermediate and Secondary School (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4170. The Teaching of Physics in the Intermediate and Secondary School (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4171. The Teaching of Chemistry in the Intermediate and Secondary School (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4180. The Teaching of Social Studies in the Intermediate and Secondary School I (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4181. The Teaching of Social Studies in the Intermediate and Secondary School II (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4270. The Teaching of Biology in the Intermediate and Secondary School (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4271. The Teaching of Earth Science in the Intermediate and Secondary School (IS,ME,NS). (See course description in Course Description section for the Faculty of Education).

4330. Curriculum and Instruction in Native and Northern Schools I (T,NPE,NS). Principles of and techniques for curriculum development will be reviewed. Adaptation or reformulation of these will be made in the light of the needs and desires of Native peoples. Critical analysis will be made of curriculum resources presently in use. Instructional materials will be prepared and produced with emphasis on printed materials relevant to the experiential background of the Innu and Inuit child.

4331. Curriculum and Instruction in Native and Northern Schools II (P,E,NPE,NS). (See course description in Course Description section for the Faculty of Education).

Page 258, following the heading Course Descriptions, delete course descriptions for the following courses and replace as follows:

"2222. Teaching English as a Second Language (T,NPE,NS). (See course description in the Native and Northern Education section).

2250. Educational Psychology (T,NS). (See course description in the Native and Northern section).

2361. The School and Community (T,NPE,NS). (See course description in the Native and Northern Education section).

2430. Administration and Supervision in Native and Northern Education (NPE,NS). (See course description in the Native and Northern Education section).

3140. Creative Arts (T,NPE). (See course description in the Native and Northern Education section).

3281. Tests and Measurements (T,NPE,NS). (See course description in the Native and Northern Education section).

3321. Native Literature (T,NPE). (See course description in the Native and Northern Education section).

3542. Reading in the Primary and Elementary Grades (NPE). (See course description in the Native and Northern Education section).

As the Innu refer to themselves as Innu rather than Indian, amend the following course descriptions to read as follows:

Education 2202 – Delete Indian and/or Inuit. Replace with "Innu and/or Inuit"

Education 3573 – Delete Indian and Inuit. Replace with "Innu and Inuit"

Education 3573 – Delete Indian and Northern. Replace with "Innu and Inuit"

Replace the word "native" with "Native" in all course descriptions.

Page 253, 1998–99 University Calendar, following the heading Regulations for the Degree of Bachelor of Education (Intermediate/Secondary), clause 3)b)(iv) delete:

"Education 4150"

Insert:

"Education 4151"

Page 258, 1998–99 University Calendar, following the heading Regulations for the Diploma in Native and Northern Education in Labrador (T.E.P.L.), delete clause 3) and replace it with the following:

"3) A candidate for admission to this programme must normally be a speaker of either Innu-aimun or Inuktitut and meet the General Admission Requirements of the University as outlined in the Calendar."

In clause 4), amend the entry for Education 2655 to read as follows:

"Education 2655. Recognizing and Protecting Children's Needs."

Amend clause 5) to read as follows:

"Sociology/Anthropology 2220. Labrador Society and Culture"

Page 266, following the heading Student Teaching, following the course description for 401X number the current NOTE: as NOTE: 1) and add new NOTE 2) as follows:

"2) Students completing Education 401X are advised that they may not be placed in their first district of choice and may be assigned to another Provincial school district."

Following the heading Student Teaching, following the course description for 405X number the current NOTE: as NOTE: 1) and add new NOTE 2) as follows:

"2) Students completing Education 405X are advised that they may not be placed in their first district of choice and may be assigned to another Provincial school district."

Page 268, 1998-99 University Calendar, following the heading Courses in Music Education, following the course description for Education 403X number the current NOTE: to NOTE: 1) and add new NOTE 2) as follows:

"2) Students completing Education 403X are advised that they may not be placed in their first district of choice and may be assigned to another Provincial school district."

Page 269, 1998-99 University Calendar, following the heading Courses in Native and Northern Education, after the course description for 404X, add the following:

"NOTE: Students completing Education 404X are advised that they may not be placed in their first district of choice and may be assigned to another Provincial school district."

Page 248, 1998–99 University Calendar, following the heading Faculty of Education Degree Regulations, sub-heading Admission, insert the following new clause 4) as follows:

"4) Students who have been admitted to a programme in the Faculty of Education requiring a teaching internship are advised that they may be assigned to any Provincial school district and are responsible for all travel and accommodation costs associated therewith."

Re-number the former clause 4) as 5) and 5) as 6).

### 63.3 Sir Wilfred Grenfell College

Page 105, 1998–99 University Calendar, amend the prerequisites for Theatre 1110. Acting I and Theatre 1120. Stagecraft I to read as follows:

"Prerequisites: Theatre 1000, Theatre 1010 and 1020."

Page 89, 1998–99 University Calendar, Biochemistry 1430. Biochemistry for Nurses, delete the existing Lectures and Tutorial sentences and replace with:

"Lectures: Four hours per week."

Page 78, 1998–99 University Calendar, following the heading Core Programme Requirements, delete current clause c) and replace with the following:

"c) Science Concepts and Issues

Six Credit hours in Science Concepts and Issues courses (identified with the designation SC)."

Page 211, 1998–99 University Calendar, following the heading Course List, amend Biochemistry 1430. Biochemistry for Nurses as follows:

Delete the existing Lectures and Tutorials sentences and replace with the following:

"Lectures: Four hours per week."

Page 86, insert the following chart:

#### DESIGNATED SCIENCE CONCEPTS AND ISSUES COURSES (SC)

Environmental Science	Science	Women's Studies
2261 – GE – SC	3000 – SC	2001 – W – GE – SC
2360 – SC	3001 – SC	
2370 – W – SC		
2371 – W – SC		
2430 – SC		

#### New Programme

"Specialization in Social/Cultural Studies

#### General Programme Requirements

The B.A. in Social/Cultural Studies requires the completion of at least 120 credit hours. The student will complete a Social/Cultural Studies Core (60 credit hours), which provides a broadly-based introduction to the study of society and culture. Breadth and depth will be added to the programme by means of a combination of elective courses at least six of which (18 credit hours) must be taken from the core Social/Cultural Studies disciplines. Elective courses will be selected in consultation with the Social/Cultural Studies Programme Chair.

#### Social/Cultural Studies Core

The Social/Cultural Studies Core requirements are outlined below. Proposed new courses in the Social/Cultural Studies Core are designated "S.C.S." for Social/Cultural Studies .

The student must complete:



(a) History 1100, 1101

(b) Sociology 2000, 2100, 3040, 3150, 3314

(c) Folklore 1000, 2100, 2230, 2300, 2401

(d) Anthropology 1031, 2210, 3140, 3083, 3520

(e) S.C.S. 4000 (Seminar in Social/Cultural Studies)

S.C.S. 4100 (Issues in Cultural Studies)

S.C.S. 4950 (Research Project in Social and Cultural Studies)

(f) Fourteen elective courses (42 credit hours) including six (18 credit hours) from Sociology and/or Folklore and/or Anthropology excluding courses listed in (b), (c) and (d) above.

NOTE: In addition to meeting the requirements listed above, for the specialization in Social/Cultural Studies, students must also fulfil all the Bachelor of Arts Degree requirements including those defined in the Core Programme (See Core Programme Requirements under General Regulations in Sir Wilfred Grenfell College section of the Memorial University of Newfoundland Calendar). General Education and Writing Course Requirements will be met by a combination of required and elective courses."

### New Courses

Social/Cultural Studies 4000. Interdisciplinary Seminar in Social/Cultural Studies. Through faculty presentations, assigned readings and group discussions the students will learn how to engage and evaluate the broad debates within Anthropology, Folklore and Sociology. Rather than focus on narrow substantive material from the disciplines, this seminar will emphasize the larger shifts and challenges which have led to new topics and methods of analysis within the social sciences.

Prerequisites: This course is restricted to Social/Cultural Studies students who have completed 90 credit hours or more.

Social/Cultural Studies 4100. Issues in Cultural Studies. This course represents an examination of the concept of culture, as it is presently used within Anthropology, Folklore and Sociology. Particular attention will be paid to the area of Cultural Studies, and the ways in which that approach has re-energized an interest in the role of culture in modern society.

Prerequisites: This course is restricted to Social and Cultural Studies students who have completed 90 credit hours or more.

#### 63.4 Faculty of Business Administration

Page 366, 1998-99 University Calendar, following the heading Regulations for Business Minor, delete clause 2) and replace with the following:

"2) Students who wish to undertake the Business minor programme must have completed a minimum of ten courses. Application is made in the space provided on the Change of Academic Programme Form, which must then be approved by the Dean of the Faculty of Business Administration, or delegate. Admission into the minor programme is selective: at the time of application a student must have a cumulative average of at least 65%."

Add the following to the end of Regulations for the Diploma in Business Administration (p. 371), Bachelor of Commerce (General) (p. 371) and Bachelor of Business Administration (p. 372):

#### "CONTINUATION

1) The Faculty Council of the Faculty of Business Administration constitutes the examining body for all examinations in Business courses. In addition, the standing of every student will be assessed by the Committee on Undergraduate Studies in accordance with the continuation requirements outlined in paragraph (2) below.

2) Students must qualify for continuation after each term of study. For continuation, students must have an overall average of 60% over their last ten courses taken. In the event that a student has more courses than needed in the earliest term used, the courses with the highest grades in that term will be used.

3) Students who fail to achieve the standards outlined in paragraph (2) above normally will be required to withdraw from the programme. They may be considered for re-admission after a lapse of two semesters. In order to be considered for re-admission, students must formally apply for re-admission.

4) Students who are required to withdraw a second time are not eligible for re-admission into their programme.

5) The Committee on Undergraduate Studies of the Faculty of Business Administration may allow a student to continue who fails to achieve the standards outlined in paragraph (2) above. A decision of this nature will be made only for reasons acceptable to the Committee on Undergraduate Studies."

A memorandum dated March 12, 1998 was received from the Faculty of Business Administration proposing changes to prerequisites for courses in small business and entrepreneurship, together with a request that Business 5600 be renumbered as Business 3600.

While Senate approved the recommendations with regard to prerequisites, it was agreed that, based on a comment from a Senator that the course should be completed in the fifth term rather than the third, that the Faculty of Business Administration be asked to give further consideration to the change in numbering for Business 5600 and that Senate be advised of its deliberations.

Page 373, 1998-99 University Calendar, following the heading Course List, sub-heading Core Programme Course Descriptions, add the following prerequisite for Business 1600:

"Prerequisite: Business 1000"

Business 5600 amend the prerequisites to read as follows:

"Prerequisites: Business 1101, Business 1600, and Business 2201."

Business 6600 amend the prerequisite to read as follows:

"Prerequisite: Business 5600."

Business 7600 amend the prerequisite to read as follows:

"Prerequisite: Business 5600."

### 63.5 Joint Degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative)

Page 125, 1998–99 University Calendar, following the heading Regulations for the General Degree of Bachelor of Arts, sub-heading 2. Core Requirements following clause e) Social Sciences Requirements, insert the following:

"Students who are concurrently completing the Bachelor of Commerce (Co-operative) degree should refer to the entry Joint Degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative) immediately following these regulations."

Page 126, 1998–99 University Calendar, before the heading Regulations for the Honours Degree of Bachelor of Arts, insert the following:

"Joint Degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative)

Students registered in a programme leading to the degree of Bachelor of Arts who are concurrently completing the Bachelor of Commerce (Co-operative) degree\* will not be required to comply with clauses 2.d) and 2.e) of the Core Requirements for the General Degree of Bachelor of Arts. THIS ADJUSTMENT TO THE CORE REQUIREMENTS WILL BE PERMITTED ONLY FOR STUDENTS WHO ARE GRADUATING WITH THE BACHELOR OF ARTS DEGREE AND THE BACHELOR OF COMMERCE (CO-OPERATIVE) DEGREE AT THE SAME CONVOCATION. In order to meet all of the requirements of both degree Programmes at the same time, students who are completing the joint degrees are strongly advised to follow the SUGGESTED Programme OF STUDIES outlined below, to take account of the accompanying advisory notes, and to seek advice from the department or programme of their Major in order to ensure that their proposed programme is possible within the constraints of course scheduling and prerequisites.

\*See General Regulation H: Regulations for a Second Degree.

Suggested Programme of Studies:

Bachelor of Arts and Bachelor of Commerce (Co-operative) Prior to admission to the Bachelor of Commerce (Co-operative) programme

For the joint degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative), students must successfully complete a minimum of one hundred and fifty (150) credit hours in courses applicable to the degrees. To be eligible for admission to Term 1 of the Bachelor of Commerce (Co-operative) programme, an applicant must have successfully completed thirty credit hours with an overall average of at least 65% on the courses comprising those credit hours. The thirty credit hours must comprise:

Six credit hours in English courses\*;

EITHER Mathematics 1080 and 1081 OR Mathematics 1000 and three credit hours in a second language or in the subject of the intended Major programme;

Economics 2010 and 2020;

Business 1000;

Nine additional credit hours in non-Business courses. It is strongly recommended that these nine credit hours include courses in a second language\*\* and courses in the subject of the intended Major programme.

\*It is strongly recommended that students complete English 1110, Critical Reading and Writing II (Context, Substance, Style), as one of these English courses.

\*\*The Bachelor of Arts degree requires six credit hours in the SAME second language.

Following admission to the Bachelor of commerce (Co-operative) programme, the curriculum is as set out in Table 1 below.

Please refer to the calendar entry for the Faculty of Business Administration for complete course descriptions, regulations and plan of operation for the Bachelor of Commerce (Co-operative) degree.

Table 1: Bachelor of Arts Curriculum

[(Completed jointly with the degree of Bachelor of Commerce (Co-operative)]

Term One (Fall) Business 1101. Principles of Accounting

Business 1201. Principles of Marketing

Statistics 2500. Statistics for Business and Arts Students I

Nine credit hours chosen from:

Six credit hours in Major, Core or elective courses [See NOTE 1 below]

Business 1600. Introduction to Entrepreneurship

Business 2000. Business Communications

Business 2401. Quantitative Methods for Business

Computer Science 2801. Introduction to Computing for Business

Term Two (Winter) Business 2101. Managerial Accounting

Business 2201. Marketing Applications

Business 2301. Organizational Behaviour

Remaining nine credit hours chosen from:

Business 1600. Introduction to Entrepreneurship

Business 2000. Business Communications

Business 2401. Quantitative Methods for Business

Computer Science 2801. Introduction to Computing for Business

Six credit hours in Major, Core or elective courses [See NOTE 1 below]

Spring [See Note 2 below]

Term Three (Fall) Business 3320. Introduction to Labour Relations

Business 3401. Operations Management

Business 3700. Information Systems

At least six credit hours in Major, Core or elective courses [See NOTE 1 below]

Work Term 1 (Winter) Business 399W [See NOTE 2 below]

Term Four (Spring) Business 4000. Business Law I

Business 4320. Introduction to Personnel and Human Resource Management

Business 4401. Management Science

Business 4500. Financial Management I

Economics 3150. Money and Banking

Work Term II (Fall) Business 499W [See NOTE 2 below]  
Term Five (Winter) Business 5301. Organizational Theory

At least twelve credit hours in Major, Core or elective courses [See NOTE 3 below]

Work Term III (Spring) Business 599W [See NOTE 2 below]  
Term Six (Fall) Business 7000. Business Policy

At least twelve credit hours in Major, Core or elective courses [See NOTE 3 below]

Term Seven (Winter) At least fifteen credit hours in Major, Core or elective courses [See NOTE 3 below]

Joint Degrees of Bachelor of Arts and Bachelor of Commerce (Co-operative)

NOTES: 1)The degree of Bachelor of Arts requires completion of a Major programme, a Minor programme, a set of Core Requirements, and elective courses, totaling at least 78 credit hours in courses offered by departments

within the Faculty of Arts (or Computer Science, Mathematics and Statistics, and Psychology). When the degree of Bachelor of Arts is completed jointly with the degree of Bachelor of Commerce (Co-operative):

a) Minor programme requirements are satisfied by Business courses specified in Table 1 above.

b) Core requirements for English and Numeracy/Science are satisfied by courses completed for admission to Term 1 or during Terms 1 or 2 of the Bachelor of Commerce (Co-operative) degree.

c) It is recommended that the Core Requirement for six credit hours in courses in a second language be completed prior to admission to the Bachelor of Commerce (Co-operative) degree programme.

d) Core requirements for six credit hours in research/writing courses may be satisfied by including two such courses within the 78 credit hours in courses offered by departments within the Faculty of Arts. Please consult the Undergraduate Registration



Procedures booklet to determine research/writing course offerings in any given semester.

e) Major requirements for the degree of Bachelor of Arts may be satisfied in 36 to 45 credit hours, depending on the department or programme chosen. Students are strongly recommended to seek advice from the department of programme of their Major to ensure that their proposed degree programme is possible within the constraints of course scheduling and prerequisites.

2) Students are advised that, in order to complete the joint degrees within the minimum 150 credit hours, they should be prepared to complete at least three of the courses required for the degree of Bachelor of Arts as opportunities arise and as courses are offered. Following Term 2 of the programme for the Bachelor of Commerce (Co-operative) degree, these courses may be completed during the Spring semester between Terms 2 and 3, or during any of the three Work Terms (for example, in the evening or by distance), or as sixth courses during any of Terms 3, 4, 5, 6 or 7 (following submission of a course-load waiver).

3) To meet the requirements for the degree of Bachelor of Commerce (Co-operative), not fewer than fifteen (15) and not more than thirty (30) credit hours in elective courses must be chosen from Business courses (including non-Business courses prescribed for a concentration). Students intending to complete the joint degrees in the minimum number of 150 credit hours should ensure that at least 78 of these credit hours are completed in courses offered by departments within the Faculty of Arts (or Psychology, Mathematics and Statistics, and Computer Science). Careful planning, particularly in the selection of elective courses as well as in the sequence of Major programme courses, is therefore recommended to ensure timely completion of the joint degrees."

Page 367, 1998-99 University Calendar, before the heading Examination and Advancement, insert the following:

"Joint Degrees of Bachelor of Commerce (Co-operative) and Bachelor of Arts

Any student who is admitted into the Bachelor of Commerce (Co-operative) programme may simultaneously complete the

requirements for a Bachelor of Arts programme. Under those circumstances, regulations for the Bachelor of Commerce (Co-operative) programme will be relaxed as follows. Notwithstanding clauses 3)e) and 3)f) of The Curriculum above, students in the Bachelor of Commerce (Co-operative) programme who are concurrently completing the Bachelor of Arts degree will be permitted to make the following adjustments to those clauses:

e) No fewer than fifteen credit hours, but no more than thirty credit hours, in Business electives, including non-Business courses prescribed for a concentration.

f) No fewer than twenty-one credit hours, but no more than thirty-six credit hours, in elective courses chosen from the Faculty of Arts.

THESE ADJUSTMENTS TO THE NORMAL CURRICULUM WILL ONLY BE PERMITTED FOR STUDENTS WHO ARE GRADUATING WITH THE BACHELOR OF COMMERCE (CO-OPERATIVE) DEGREE AND THE BACHELOR OF ARTS DEGREE AT THE SAME CONVOCATION. In order to meet all of the requirements of both degree Programmes at the same time, students who are completing the joint degrees are strongly advised to follow the Bachelor of Commerce (Co-operative) Curriculum (Completed jointly with the Bachelor of Arts), Table 3 on page \*\*\*."

Page 380, 1998-99 University Calendar, following Table II, insert the following table:

Table III: Bachelor of Commerce (Co-operative) Curriculum

(Completed jointly with the degree of Bachelor of Arts)

Please refer to the calendar entry for the Faculty of Arts for complete course descriptions and regulations for the Bachelor of Arts degree.

Term One (Fall) Business 1101. Principles of Accounting

Business 1201. Principles of Marketing

Statistics 2500. Statistics for Business and Arts Students I

Nine credit hours chosen from:

Six credit hours in Major, Core or elective courses [See NOTE 1 below]

Business 1600. Introduction to Entrepreneurship

Business 2000. Business Communications

Business 2401. Quantitative Methods for Business

Computer Science 2801. Introduction to Computing for Business

Term Two (Winter) Business 2101. Managerial Accounting

Business 2201. Marketing Applications

Business 2301. Organizational Behaviour

Remaining nine credit hours chosen from:

Business 1600. Introduction to Entrepreneurship

Business 2000. Business Communications

Business 2401. Quantitative Methods for Business

Computer Science 2801. Introduction to Computing for Business

Six credit hours in Major, Core or elective courses [See NOTE 1 below]

Spring [See NOTE 2 below]

Term Three (Fall) Business 3320. Introduction to Labour Relations

Business 3401. Operations Management

Business 3700. Information Systems

At least six credit hours in Major, Core or elective courses [See NOTE 3 below]

Work Term 1 (Winter) Business 399W [See NOTE 2 below]

Term Four (Spring) Business 4000. Business Law I

Business 4320. Introduction to Personnel and Human Resource Management

Business 4401. Management Science

Business 4500. Financial Management I

Economics 3150. Money and Banking

Work Term II (Fall) Business 499W [See NOTE 2 below]

Term Five (Winter) Business 5301. Organizational Theory

At least twelve credit hours in Major, Core or elective courses [See NOTE 3 below]

Work Term III (Spring) Business 599W [See NOTE 2 below]

Term Six (Fall) Business 7000. Business Policy

At least twelve credit hours in Major, Core or elective courses [See NOTE 3 below]

Term Seven (Winter) At least fifteen credit hours in Major, Core or elective courses [See NOTE 3 below]

NOTES: 1)The degree of Bachelor of Arts requires completion of a Major programme, a Minor programme, a set of Core Requirements, and elective courses, totaling at least 78 credit hours in courses

offered by departments within the Faculty of Arts (or Computer Science, Mathematics and Statistics, and Psychology). When the degree of Bachelor of Arts is completed jointly with the degree of Bachelor of Commerce (Co-operative):

a) Minor programme requirements are satisfied by Business courses specified in Table 1 above.

b) Core requirements for English and Numeracy/Science are satisfied by courses completed for admission to Term 1 or during Terms 1 or 2 of the Bachelor of Commerce (Co-operative) degree.

c) It is recommended that the Core Requirement for six credit hours in courses in a second language be completed prior to admission to the Bachelor of Commerce (Co-operative) degree programme.

d) Core requirements for six credit hours in research/writing courses may be satisfied by including two such courses within the 78 credit hours in courses offered by departments within the Faculty of Arts. Please consult the Undergraduate Registration Procedures booklet to determine research/writing course offerings in any given semester.

e) Major requirements for the degree of Bachelor of Arts may be satisfied in 36 to 45 credit hours, depending on the department or programme chosen. Students are strongly recommended to seek advice from the department or programme of their Major to ensure that their proposed degree programme is possible within the constraints of course scheduling and prerequisites.

2) Students are advised that, in order to complete the joint degrees within the minimum 150 credit hours, they should be prepared to complete at least three of the courses required for the degree of Bachelor of Arts as opportunities arise and as courses are offered. Following Term 2 of the programme for the Bachelor of Commerce (Co-operative) degree, these courses may be completed during the Spring semester between Terms 2 and 3, or during any of the three Work Terms (for example, in the evening or by distance), or as sixth courses during any of Terms 3, 4, 5, 6 or 7 (following submission of a course-load waiver).

3)To meet the requirements for the degree of Bachelor of Commerce (Co-operative), not fewer than fifteen (15) and not more than thirty (30) credit hours in elective courses must be chosen from Business courses (including non-Business courses prescribed for a concentration). Students intending to complete the joint degrees in the minimum number of 150 credit hours should ensure that at least 78 of these credit hours are completed in courses offered by departments within the Faculty of Arts (or Psychology, Mathematics and Statistics, and Computer Science). Careful planning, particularly in the selection of elective courses as well as in the sequence of Major programme courses, is therefore recommended to ensure timely completion of the joint degrees."

Following Senate's review of this document, Dean Murphy acknowledged with gratitude the cooperative spirit demonstrated by the Faculty of Business Administration during the formulation of this new programme.

#### 63.6 Department of English Language and Literature

Page 143, 1998-99 University Calendar, delete English 4450.

Page 142, 1998-99 University Calendar, following the entry for English 3351, insert:

"3460. Folklore and Literature. (Same as Folklore 3460.)"

Page 139, 1998-99 University Calendar, following the sub-heading General Degree, amend Regulation 2 by deleting "(e.g. English 4450)", and under Regulation 5, delete "4450".

Page 146, 1998-99 University Calendar, delete Folklore 4450 in its entirety.

Page 145, 1998-99 University Calendar, following the entry for Folklore 3450, insert the following:

"3460. Folklore and Literature. (Same as English 3460.) This course will examine the interrelationships among folklore forms and literary genres, the influence of oral traditions on written literatures, and consider the theoretical issues raised by these interrelationships. The primary emphasis will be on the

interpretation of literature from the perspective of folk tradition. Extensive reading, oral and written reports will be required.

NOTE: Credit may not be obtained for both Folklore/English 3460 and the former Folklore/English 4450.

Page 144, 1998–99 University Calendar, under the heading Major in Folklore, clause (d), delete "4450" from the list and insert "3460" following 1060.

### 63.7 Department of Religious Studies

Page 176, 1998–99 University Calendar, following the entry for Religious Studies 3840, insert:

#### New Course

"3850. Religion and Healing. The links between sickness and sin, healing and faith, are found in many religious traditions. From aboriginal spiritualities to contemporary Christian faith healing, attempts to conceptualize and treat illness within spiritual frameworks are found cross-culturally. This course examines these links and also explores the relationship between religious healing systems and western biomedicine and the difference between disease and illness, healing and curing."

Page 173, 1998–99 University Calendar, following the sub-heading Major in Religious Studies amend clause 4. to read as follows:

"4. Religion, Ethics, and Modern Culture: 3500, 3640, 3650, 3670, 3680, 3810, 3811, 3820, 3830, 3840, 3850, 4801–4830."

### 63.8 Canadian Studies Major Programme

Page 134, 1998–99 University Calendar, following the heading Canadian Studies amend clause 2(a) to read as follows:

"(a) A core of at least 12 credit hours from the following courses:

- English 2150
- Geography 3405

- History 2210
- Political Science 2710
- Sociology/Anthropology 2240"

Delete the current clause 2(b) and replace with the following:

"Canadian Studies 4000"

Delete the current clause 2(c) and replace with the following:

"(c) The remaining credit hours shall be chosen from the courses listed below, from at least four different departments, and exclusive of any courses applied towards the first Major (\* indicates cross-listed courses). In the event that a course from the above core is part of the disciplinary Major, a student will be required to complete the additional credit hours from the courses listed below.

- Anthropology 3240\*
- Economics 3030, 3150, 3620\*, 3711\*, 4020
- English 2521, 3152, 3153, 3156, 3157, 3158, 4821, 4822
- Folklore 4300, 4420\*
- French 3651, 3652, 4310\*, 4420\*, 4500, 4501, 4502
- Geography 3100, 4640
- History 1013, 2200, 3130, 3140, 3150, 3620\*, 3630\*, 3650, 3821, 4240, 4241, 4242, 4245, 4249, 4250, 4251
- Linguistics 2025, 2026, 2030, 2031, 2060, 4310\*
- Political Science 1010, 2711, 3700, 3710, 3711\*, 3720, 3741, 3751, 3760, 3770, 3790, 4750, 4790
- Religious Studies 3902, 3903



- Sociology 3240\*
- Sociology/Anthropology 3240\*
- And any special topics courses approved for inclusion in this list by the Committee on Undergraduate Studies, Faculty of Arts."

### 63.9 Women's Studies

Page 181, 1998–99 University Calendar, following the heading Regulations, insert a new clause 2 as follows:

"2) Women's Studies 3000"

Amend clause 3, amend to read as follows:

"3) A minimum of nine (9) credit hours in courses from the Core Course List outlined below, taken in at least three different subject areas."

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

Page 181, 1998–99 University Calendar, following the heading, Course List, sub-heading Core Courses, insert the following courses:

"Folklore 3950. Women and Traditional Culture

History 3813. Women in North American Society: Newfoundland and Labrador

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

### New Course

Women's Studies 3000. Feminist Research Methods. An introduction to feminist methodologies and approaches to the formal construction of knowledge, framing of research questions, and gathering of data. The course provides an interdisciplinary survey of major research methods used by feminist scholars.

### 63.10 Drama and Music Programme

Page 137, 1998–99 University Calendar, following the heading Drama and Music, Regulation 2.b)i), line 4, delete:

"...and 2313".

### 63.11 Department of Linguistics

Page 165, 1998–99 University Calendar, delete the current course description for Linguistics 2210 and replace with the following:

"2210. Language in Newfoundland and Labrador: An Introduction to Linguistic Variation. A general, non-technical introduction to the languages of Newfoundland and Labrador. Topics covered include the concept of variation within language, both regional and social; the chief causes of such variation, and some of its societal and educational consequences; a survey of the regional and social dialects of Newfoundland English, and their major features; an overview of languages in the province other than English, and their current situation."

Delete the current course description and prerequisite for Linguistics 3155 and replace with the following:

"3155. Introduction to Second Language Acquisition. This course will examine the critical aspects of second language acquisition. Topics include theories of first and second language acquisition, the acquisition of syntax and word meanings, learning strategies, properties of input, as well as the issue of critical period effects on second language learning.

Prerequisite: Linguistics 2103 is required, and Linguistics 2104 is recommended."

Insert the following NOTE at the end of the course descriptions for Linguistics 2100, 2210 and 2500:

"NOTE: This course may qualify as a Research/Writing course. Consult each semester's Registration Booklet for the R/W designation."

### 63.12 Department of Anthropology

Page 130, 1998–99 University Calendar, following the heading General Degree, subheading 2. Major Options, delete the current clause a) Social/Cultural Anthropology and replace with the following:

"a) Social/Cultural Anthropology. Students wishing to concentrate in this option must take A/P 1030 and S/C 1031; six credit hours in courses at the 2000 level chosen from S/C 2410, S/C 2411, S/C 2412, S/C 2413; six credit hours from S/C 4000–level offerings, of which one must be S/C 4410 or S/C 4412; the remaining 18 credit hours are to be chosen from any of the S/C or S/A 3000– or 4000–level offerings. Students should note that the completion of S/C 1031 and one 2000–level S/C course is a prerequisite for all S/C 3000–level courses, and that two S/C courses at the 2000 level or above are prerequisites for all S/C 4000–level courses."

### 63.13 Department of Economics

Page 137, 1998–99 University Calendar, under the heading General Degree (B.A. or B.Sc.), amend clause 5 to read as follows:

"5. Mathematics 1000 or its equivalent is the prerequisite for Economics 3000, 3010 and 3550."

Delete current clause 9.a) and replace with the following:

"a) Mathematics 1000, 1001, and 2050"

Page 138, amend the prerequisite for Economics 3550. to read as follows:

"Prerequisite: Mathematics 1000 or equivalent with a "B" standing, or Mathematics 2050."

### 63.14 School of Pharmacy

Page 325, delete Pharmacy 5004 in its entirety.

Page 325, 1998–99 University Calendar, amend the title for 5104 to read as follows:

"Pharmacy 5104. Therapeutics II (F) (7 cr. hrs.)"

Amend second sentence of course description to read: "The student is introduced to the pathophysiologies of common disease states, current drug (prescription and non-prescription) and non drug therapies, ... use of drugs. The appropriateness and effectiveness of self-medication treatments will also be discussed."

Page 325, 1998-99 University Calendar, Pharmacy 4104. Therapeutics I (W) (3 cr. hrs.), amend second sentence of course description to read as follows:

"The student is introduced to the pathophysiologies of common disease states, current drug (prescription and non-prescription) and non drug therapies, ... use of drugs. The appropriateness and effectiveness of self-medication treatments will also be discussed."

Page 324, 1998-99 University Calendar, Pharmacy 3004. Professional Practice (W) (2 cr. hrs.), (i) add the following sentence to the end of the course description:

"Current topics of interest in professional practice will be offered by faculty, visiting speakers and graduate students."; and (ii) amend "Lectures: One hour per week." to read: "Lecture/Seminar: Two hours per week."

## New Course

Pharmacy 5013. Hospital Pharmacy Administration (F) (3 cr. hrs.). This course will cover the organization, financial controls and human resources management of hospital pharmacy services and their development. New trends affecting hospital pharmacy services will be discussed.

Prerequisite: No prerequisite but a studentship in hospital pharmacy would be an asset. Permission of the instructor is required.

## 63.15 Faculty of Engineering and Applied Science

Page 350, 1998-99 University Calendar, following the heading Examinations and Promotions, sub-heading Academic Terms, in

sections 5)a), 5)d), and 5)e) amend "Chemistry 1011 (or equivalent)" to read "Chemistry 1051 or 1011 (or equivalent)".

Page 335, 1998–99 University Calendar, Chart of the Undergraduate Engineering Core Programme, (i) under the heading Term A, amend "Chemistry 1010" to read "Chemistry 1050 or 1010"; and (ii) under the heading Term B, amend "Chemistry 1011" to read "Chemistry 1051 or 1011".

Pages 343 and 344, 1998–99 University Calendar, delete the NOTES below the charts for the Mechanical Engineering Curriculum and replace with the following:

"The first term 8 of the new programme occurs in 2001. Courses offered as technical electives in each mechanical engineering option are selected each year from courses listed in the Calendar. A list of the current offerings is available from the Discipline Chair and the Associate Dean (Undergraduate). A Mechanical Workshop (290W) is held on campus prior to the start of the Spring Semester."

#### 63.16 Report of the Senate ad hoc Committee on the Teaching of Writing

A memorandum dated November 25, 1998 and attached documentation, was received from the School of Nursing in response to Recommendations 1, 2 and 9 of the Report of the Senate ad hoc Committee on the Teaching of Writing.

This response was received for information.

#### 63.17 Department of Mathematics and Statistics

##### New Course

"1090. Algebra and Trigonometry (F)(W). This course provides students with the essential prerequisite elements for the study of an introductory course in calculus. Topics include algebra, functions and their graphs, exponential and logarithmic functions, trigonometry, polynomials, and rational functions.

Four hours per week.

Prerequisite: A combination of placement test and high school Mathematics scores acceptable to the department (See regulation 7), p. \*\*\* or Mathematics 104F.

NOTE: Students will not receive credit for Mathematics 1090 if they have previously received credit or are currently registered for M1000, M1001, M1080, or M1081."

Page 230, 1998–99 University Calendar, following the heading Course List, sub-heading Common Core Mathematics Courses, delete the prerequisite for Mathematics 1000 and replace it with the following:

"Prerequisite: Mathematics 1090 or a combination of placement test and high school Mathematics scores acceptable to the department. (See regulation 7, p. \*\*\*)"

Delete Mathematics 1080.

Page 229, 1998–99 University Calendar, following the heading Mathematics and Statistics, sub-heading Regulations, amend clause 1) to read as follows:

"1) With the exception of students who graduate with the B.Ed. (Primary or Elementary) at most nine credit hours in Mathematics will be given for courses completed from the following list subject to normal credit restrictions: M1000, M1031, M1050, M1051, M1080, M1081, M1090, M1150, M1151."

Delete current clause 2) and replace with the following:

"2) At most six credit hours in courses below the 2000-level can be used toward the course requirements in Mathematics and Statistics for the Major, Joint Major, Honours or Joint Honours in Applied Mathematics, Pure Mathematics or Statistics."

Page 229, 1998–99 University Calendar, following the heading Mathematics and Statistics, sub-heading Table of credit Restrictions for Present Mathematics Courses with Former Mathematics Courses, delete the heading and table in its entirety.

Page 229, 1998–99 University Calendar, following the heading Mathematics and Statistics, sub-heading Regulations, add the following new clause 7):

"7) i) For the academic year 1999–2000 the Mathematics Skills Inventory (MSI) will be used to determine placement in the following courses: M1050, M1051 and M1090.

ii) For subsequent years, students intending to register for the first time in any course below the 2000 level, must first submit a score for one of the following:

a) An Advanced Placement calculus Examination;

b) Other standardized tests acceptable to the Department of Mathematics and Statistics.

The prerequisite for entry to all mathematics courses below the 2000 level shall include the following statement: "A combination of placement test and high school mathematics scores acceptable to the Department of Mathematics and Statistics".

Page 230, 1998–99 University Calendar, following the heading Course List, sub-heading Common Core Mathematics Courses, amend the prerequisites for 1050 and 1051 to read as follows:

"Prerequisite: A combination of placement test and high school mathematics scores acceptable to the department (See regulation 7, p. \*\*\*), or Mathematics 103F."

### 63.18 Department of Earth Sciences

In a memorandum dated 3 December 1998, the Department Earth Sciences requested changes to the prerequisites for certain courses, including Earth Sciences 2030, 2400 and 2502. The department requested that Chemistry 1001 be replaced with Chemistry 1011.

During the discussion of this item, Senate was advised that Sir Wilfred Grenfell College still offers Chemistry 1001. In light of this it was agreed that, if acceptable to the Department of Earth Sciences, the prerequisite for these courses be amended to read "Chemistry 1001 or Chemistry 1011".

The following calendar changes were then approved by Senate.:

Page 226, 1998–99 University Calendar, under the heading Second Year, amend the prerequisite for Earth Sciences 2030 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1001 or 1011. Physics..."

Page 226, 1998–99 University Calendar, under the heading Second Year, amend the prerequisite for Earth Sciences 2400 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1001 or 1011, Mathematics 1000 ..."

Page 226, 1998–99 University Calendar, under the heading Second Year, amend the prerequisite for Earth Sciences 2502 to read as follows:

"Prerequisites: Earth Sciences 1000, Chemistry 1001 or 1011."

Page 227, 1998–99 University Calendar, under the heading Third Year, Earth Sciences 3611, delete "Earth Sciences 3600" from the prerequisite.

Page 227, 1998–99 University Calendar, under the heading Fourth Year, Earth Sciences 4173, add "Earth Sciences 3179" as a prerequisite.

### 63.19 Department of Physics

Page 234, 1998–99 University Calendar, under the heading Programmes in Physics, Note 3), delete the word "accelerated" in the first sentence.

Page 235, 1998–99 University Calendar, following the heading Major in Physics, delete the current entry in its entirety and replace with the following:

"a) English 1080 and English 1110 (or equivalent).



- b) Chemistry 1050 and 1051 (or equivalents).
- c) Mathematics 1000 and 1001, or Mathematics 1080, 1081 and 1001.
- d) Mathematics 2000, Mathematics 2050 and AM/PM 3260.
- e) Physics 1050 and 1054, or Physics 1020, 1021 and 1054.
- f) Physics 2053, 2054, 2055, 2056, 3220, 3400, 3500, 3750 and 3900.
- g) An additional twelve credit hours in physics courses numbered 3000 or higher which shall include at least six credit hours selected from the courses numbered Physics 3150, 3300, 3410, 3550, 3600, 3751.
- h) Physics 3801 or AM/PM 3202.

Mathematics 1001, 2000 and 2050 are prerequisites to many Physics courses and should be completed by the end of second year. AM/PM 3260 is corequisite to Physics 3220 and should be completed before the winter of the third year. Those who intend to make a career in Physics should note that additional Physics courses are strongly recommended. Computer Science 2602 and Mathematics 2051 are also recommended."

Page 235, 1998–99 University Calendar, following the heading Honours in Physics, delete and replace with the following:

- "a) English 1080 and English 1110 (or equivalent).
- b) Chemistry 1050 and 1051 (or equivalents).
- c) Mathematics 1000 (or 1080 and 1081) and 1001.
- d) Mathematics 2000, 2050 and AM/PM 3260.
- e) Physics 1050 (or 1020 and 1021) and 1054.

f) Physics 2053, 2054, 2055, 2056, 3220, 3230, 3400, 3410, 3500, 3600, 3750, 3820, 3821, 3900, 3920, 4500, 4850, 490A/B.

g) Physics 3810 or AM/PM 3202.

h) An additional twelve credit hours in physics courses numbered 3000 or higher which shall include at least six credit hours selected from physics courses numbered 4000 or higher.

i) Fifteen credit hours in applicable elective courses\*

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

\*Chemistry 1800, Mathematics 1080 and 1081, and Physics 1020 and 1021 may not be used as electives in the 120 credit hours required for the Honours programme under i) above. Inclusion of Chemistry 1800, substitution of Mathematics 1080 and 1081 for Mathematics 1000, or substitution of Physics 1020 and 1021 for Physics 1050 will each increase the number of credit hours required for the Honours Physics programme by three.

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

The Honours Physics programme in and beyond the third year requires a familiarity with computer programming and numerical analysis. In choosing electives for this programme, the Department recommends that students supplement the prescribed programme with the following courses Computer Science 2602 and 3731 (or Applied Mathematics 2130 and 3132). Mathematics 2051 and 2001 are also suitable electives. For specific courses and recommendations about electives, consultation with a faculty advisor in the Department is suggested.

The Department recommends that students wishing to complete the Honours Physics programme in 120 credit hours follow the

schedule given below. This schedule is intended for students who qualify for Physics 1050 and 1054. Other suggested course schedules are available from the Head of the Department.

Year Semester I Semester II

I English 1080 English 1110 (1101, 1102)

Chemistry 1000 Chemistry 1001

Mathematics 1000 Mathematics 1001

Physics 1050 Physics 1054

Elective Elective or Physics 2056

II Mathematics 2000 AM/PM 3202

Mathematics 2050 AM/PM 3260

Physics 2053 Physics 2055

Physics 2054 Physics 2056 or Elective

Elective Elective

III Physics 3220 Physics 3900

Physics 3400 Physics 3600/4500

Physics 3500 Physics 3230/3410

Physics 3750 Physics Elective

Physics 3820 Elective

IV Physics 3821 Physics 4500/3600

Physics 3920 Physics 3410/3230

Physics 4850 Physics 490B

Physics 490A Physics Elective

Physics Elective Physics Elective"

### TABLE OF CREDIT RESTRICTIONS

CREDIT MAY BE OBTAINED FOR ONLY ONE COURSE FROM EACH OF THE PAIRS OF COURSES LISTED IN THIS TABLE.

Present Former Present Former

Course Course Course Course

1020 1200 2055 2550

1021 1201 2056 2700

1021 1051 3220 3200

1054 1052 3230 2210

1054 2050 3750 3700

1054 2200 3750 3850

2053 2450 490A/B 4990

2054 2550

Physics 1021 and the former Physics 1201 will be considered equivalent for prerequisite purposes. Physics 1054 and the former Physics 1052 and 2050 will be considered equivalent for prerequisite purposes.

NOT ALL COURSES ARE OFFERED EVERY YEAR. STUDENTS SHOULD CHECK WITH THE DEPARTMENT PRIOR TO REGISTRATION TO PLAN PROGRAMMES."

Page 236, 1998–99 University Calendar, amend the course description for Physics 1054, as:

Delete "and matrix algebra"

Delete "NOTE: ..." in its entirety

Page 236, 1998–99 University Calendar, delete Physics 2050 in its entirety.

Page 236, 1998–99 University Calendar, delete current Physics 2053 and replace with the following:

"2053. General Physics III: Fluids and Thermal Physics (F). Elasticity, fluid mechanics, thermodynamics, kinetic theory and statistical mechanics.

Prerequisites: Mathematics 1001 and Physics 1054 which may be taken concurrently.

Lectures: Three hours per week.

Laboratory: Three hours per week."

Page 236, 1998–99 University Calendar, Physics 2054, amend prerequisite to read as follows:

"Prerequisites: Mathematics 1001 and Physics 1054 which may be taken concurrently."

Page 236, 1998–99 University Calendar, Physics 2056, amend prerequisite to read as follows:

"Prerequisites: Mathematics 1001 and Physics 1054 which may be taken concurrently."

Page 237, 1998–99 University Calendar, Physics 3220, amend the prerequisite to read as follows:

"Prerequisites: Physics 1054 and AM/PM 3260. AM/PM 3260 may be taken concurrently."

Amend the prerequisite for Physics 3410 to read as follows:

"Prerequisites: Physics 3400 and 3750. Physics 3750 may be taken concurrently."

Amend the prerequisite for Physics 3550 to read as follows:

"Prerequisites: Mathematics 2050 and AM/PM 3260. AM/PM 3260 may be taken concurrently."

Amend the prerequisite for Physics 3551 to read as follows:

"Prerequisites: Physics 3550 and AM/PM 3260."

Amend the prerequisite for Physics 3600 to read as follows:

"Prerequisites: Mathematics 2000 and Physics 2054."

Amend the prerequisite for Physics 3750 to read as follows:

"Prerequisites: Physics 2053, 2055, 2056, 3220, 3810 (or AM/PM 3202) and AM/PM 3260. Physics 3220 and Physics 3810 (or AM/PM 3202) can be taken concurrently."

Amend the prerequisite for Physics 3820 to read as follows:

"Prerequisites: AM/PM 3260, and Physics 3810 (or AM/PM 3202)."

Amend the prerequisite for Physics 3900 to read as follows:

"Prerequisites: At least two of Physics 2053, 2054, 2055, and 2056. Physics 3550 is recommended."

Page 237, 1998–99 University Calendar, Physics 3920, add the following NOTE:

"NOTE: Prerequisite requirements for Physics courses numbered 4000 and higher may be waived by the instructor."

Amend the prerequisite for Physics 4000 to read as follows:

"Prerequisites: Physics 3400 and 3750."

Amend the prerequisite for Physics 4200 to read as follows:

"Prerequisites: Physics 3230 and 3820."

Amend the prerequisite for Physics 4210 to read as follows:

"Prerequisites: Physics 3230 and 3820."

Amend the prerequisite for Physics 4500 to read as follows:

"Prerequisites: Physics 3500 and 3820."

Page 238, 1998–99 University Calendar, Physics 4700, amend prerequisite to read as follows:

"Prerequisites: Physics 3500, 3751, and 3820."

Amend the prerequisite for Physics 4710 to read as follows:

"Prerequisites: Physics 3500, 3751 and 3820."

Amend the prerequisite for Physics 4850 to read as follows:

"Prerequisites: Physics 3230, 3750, 3820."

Amend the prerequisite for Physics 4851 to read as follows:

"Prerequisites: Physics 4850 and 3821."

Amend the prerequisite for Physics 4900 to read as follows:

"Prerequisite: Physics 3920."

## 63.20 Department of Geography

Page 207, 1998–99 University Calendar, under the heading Joint Honours Degree in Computer Science and Geography, sub-heading 2) Geography Requirements, amend second paragraph to read as follows:

"A total of forty eight credit hours in Geography courses is required for the Joint Honours: 1010, 1011, 2001, 2102, 2195, 2200, 2302, 3200, 3250, 3260, and eighteen ..."

Page 208, 1998–99 University Calendar, under the heading Joint Major in Computer Science and Geography, sub-heading 2) Geography Requirements, amend paragraph to read:

"A total of at least thirty–nine credit hours in Geography courses is required for the joint major: 1010 or 1000, 1011 or 1001, 2001, 2102, 2195, 2200, 2302, 3200, 3250, 3260, and nine ..."

Page 206, 1998–99 University Calendar, following the heading Joint Honours Degree in Computer Science and Geography, sub-heading 3) Additional Requirements, delete clause 3)b), and re–number current clause 3)c) as 3)b)

### 63.21 Department of Biochemistry

Prior to consideration of the calendar changes submitted by the Department of Biochemistry relating to the deletion of Biology 3050 (Introduction to Microbiology) and Biochemistry 3052 (Fundamentals of Food Microbiology) from the majors Programmes in Nutrition and Dietetics, Dr. Ghazala requested, and was granted, the permission of Senate to distribute a document related to these changes.

In the document dated February 9, 1999, Dr. Ghazala disputed the removal of these two courses which "contain 2–3 hrs/wk lecture and 4–3 hrs/wk laboratory, while the new Biochemistry 3054 course is of just 3 hrs/wk lecture with no laboratory.". Dr. Ghazala argued that Biochemistry 3054 is not comparable and thus it is not an appropriate substitute for Biochemistry 3052 with regard to the accredited Dietetics and Nutrition Programmes, and urged Senate to defeat the proposal with regard to the introduction of Biochemistry 3054.

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Major in Biochemistry, in the second paragraph "Required courses ..." insert "Chemistry 4201, 4411" after the Biology courses in clause c).

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours in Biochemistry, in the second paragraph "Required courses ..." add to clause d) the following:



"Biochemistry 4220, Chemistry 4201, 4411"

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours Degree in Biochemistry, add as a last sentence to the final paragraph "Those courses ..." the following:

"Biochemistry 2010, 2011, Biology 2040, 2041 and Chemistry 2600, 2601 may not be used to meet this requirement."

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours Degree in Biochemistry, delete the first paragraph and replace with the following:

"Students normally should apply for an Honours programme at the completion of their third year of studies. To be eligible for admission, students must be in Honours standing. To be considered for early admission to an Honours programme in Biochemistry at the end of second year, students must have achieved at least 70% in each of Biochemistry 2100 and 2101 and Chemistry 2400, 2401."

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours Degree in Biochemistry, delete the first sentence of the second paragraph "Required courses ..." and replace with the following:

"Required courses:"

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours Degree in Biochemistry, insert "Biochemistry 2100, 2101" to the list of courses in clause a).

Page 210, 1998–99 University Calendar, under the heading Biochemistry Programme, sub-heading Honours Degree in Biochemistry, insert "Chemistry 2400, 2401" to the list of courses in clause f).

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Honours Degree in Nutrition, delete the existing first paragraph and replace with the following:

"Students normally should apply for an Honours programme at the completion of their third year of studies. To be eligible for admission, students must be in Honours standing. To be considered for early admission to an Honours programme in Nutrition at the end of second year, students must have achieved at least 70% in each of their required 2000-level Biochemistry and Chemistry courses."

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, after the second paragraph "Required courses ..." insert NOTES as follows:

"NOTES: 1) Students are required to complete at least 78 credit hours in Science courses for the General Degree. 2) Students who choose to complete Chemistry 2400/2401 are advised to take the appropriate prerequisites for those courses."

Page 211, 1998–99 University Calendar, under the heading Professional Programme in Dietetics, sub-heading Honours Degree in Dietetics, in the first paragraph "In addition ..." delete clause c).

Page 211, 1998–99 University Calendar, under the heading Professional Programme in Dietetics, sub-heading Major in Dietetics, following clause f), insert NOTE as follows:

"NOTE: Students who choose to complete Chemistry 2400/2401 are advised to take the appropriate prerequisites for those courses."

Page 212, 1998–99 University Calendar, under the heading Course List, Biochemistry 3105, delete "Physics 1054" from the prerequisite.

Page 213, 1998–99 University Calendar, under the heading Course List, Biochemistry 4300, delete the current title and replace with the following:

"Nutrition in the Life Cycle"

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, in the second paragraph "Required courses ...", insert new clause b) as follows:

"b) One of Biochemistry 3107, 4002, 4201"

Renumber existing clauses b) – f) to c) – g).

Page 213, 1998–99 University Calendar, under the heading Course List, Biochemistry 4302, (i) renumber Biochemistry 4302 to Biochemistry 3202; (ii) delete the existing prerequisites and replace with the following:

"Co-requisites or prerequisites: Biochemistry 311B and 3201.

Prerequisite: Biochemistry 3200."

(iii) add a final note as follows:

"NOTE: Credit may be obtained for only one of Biochemistry 3202 and the former Biochemistry 4302."

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, in the second paragraph "Required courses ...", in clause a) change "4302" to "3202".

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Minor in Nutrition, in clause c) change "4302" to "3202".

Page 211, 1998–99 University Calendar, under the heading Professional Programme in Dietetics, sub-heading Major in Dietetics, in the first paragraph "Required courses ...", add the following course to clause a):

"Biochemistry 3202"

Page 205, 1998–99 University Calendar, under the heading Biochemistry (Nutrition)/Psychology (Behavioural Neuroscience) Joint Honours, in the first paragraph "The following ...", in clause b) change "4302" to "3202".

Page 213, 1998–99 University Calendar, under the heading Course List, Biochemistry 4502, delete the existing prerequisites and replace with the following:

"Prerequisites: Biochemistry 4002, 4301."

Page 211, 1998–99 University Calendar, under the heading Course List, Biochemistry 1430, delete the existing Lectures and Tutorials sentences and replace with the following:

"Lectures: Four hours per week."

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, in the second paragraph "Required courses ...", delete existing clause c) and replace with the following:

"c) Chemistry 2400, 2401 or Chemistry 2440."

Page 205, 1998–99 University Calendar, under the heading Biochemistry (Nutrition)/ Psychology (Behavioural Neuroscience) Joint Honours, delete existing clause e) and replace with the following:

"e) Chemistry 2400, 2401 or Chemistry 2440."

Page 211, 1998–99 University Calendar, under the heading Course List, Biochemistry 2000, delete the existing Corequisite and Prerequisite sentences and replace with the following:

"Prerequisites: Chemistry 2400 or 2440."

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, in the second paragraph "Required courses ...", delete existing clause f).

Page 210, 1998–99 University Calendar, under the heading Nutrition Programme, sub-heading Major in Nutrition, in the second paragraph "Required courses ...", delete "Biology 3050" from clause b).

Page 211, 1998–99 University Calendar, under the heading Professional Programme in Dietetics, sub-heading Major in Dietetics, in the first paragraph "Required Courses at Memorial", delete "Biology 3050" from clause b).

#### New Course

"3054. Fundamentals of Food Microbiology. An introduction to the basic principles of microbiology with an emphasis on the study of microorganisms that are found in foods. The role of microbes in food and food spoilage, and the role of food-borne pathogens in human illness and disease will each be discussed. Nutritional aspects of food-borne microorganisms will also be studied.

Lectures: Three hours per week.

Prerequisites: Biology 1002 and Biochemistry 2101.

NOTE: Credit can only be received for one of Biochemistry 3054, Biology 3054, Biology 3052 and the former courses Biochemistry 3052, 3401."

Page 210, under the heading Nutrition Programme, in the second paragraph "Required courses ...", delete from clause a) "3052" and replace with "3054".

Page 211, under the heading Major in Dietetics, in the first paragraph "Required courses ...", delete from clause a) "3052" and replace with "3054".

#### 63.22 Department of Chemistry

Page 207, 1998–99 University Calendar, under the heading Earth Sciences/Chemistry Joint Honours, clause c), line 1, delete "240A/B" and replace with "2400, 2401".

Page 218, 1998–99 University Calendar, under the heading General Degree – Major in Chemistry, clause d), delete "Computer Science 2602 or 2700" and replace with "Computer Science 1700 or 2602 or 2650".

Page 219, 1998–99 University Calendar, Chemistry 1031, amend the prerequisite as follows:

Delete "1080" and replace with "1081"

Page 219, 1998–99 University Calendar, Chemistry 3600, amend the prerequisite as follows:

Delete "... 240A/B." and replace with "... 2400, 2401."

Page 220, 1998–99 University Calendar, Chemistry 4411, delete "Permission may be given to take Chemistry 3401 and Chemistry 4411 concurrently for students who have not completed Biochemistry 2101." from the prerequisite.

Page 220, 1998–99 University Calendar, Chemistry 4204, change the word "Prerequisites:" to "Prerequisite:" and delete "and 3301" from the prerequisite.

### 63.23 Department of Computer Science

Page 222, 1998–99 University Calendar, under the heading Course Numbering Scheme, delete the following line:

"0 – Non-Credit course"

Page 223, 1998–99 University Calendar, amend the prerequisite for Computer Science 4711 to read as follows:

"Prerequisite: Computer Science 3714."

Page 224, add the following prerequisite to Computer Science 4735:

"Prerequisite: Computer Science 4734."

Following the description for Computer Science 4753, delete the following line:

"Recommended: Computer Science 3710."

Page 224, 1998–99 University Calendar, amend the prerequisite for Computer Science 4761, to read as follows:

"Prerequisites: Computer Science 3714 and Statistics 2510."

Pages 222 and 223, insert "(F) & (W)" after the course titles for 2801, 1700 and 3740.

### 63.24 Regulations for the Honours Degree of Bachelor of Science

Page 203, 1998–99 University Calendar, under the heading Regulations for the Honours Degree of Bachelor of Science, amend clause 2.c)(i) to read as follows:

"i) a candidate shall have completed at least ninety credit hours in courses from the subjects listed in Clause 2(b) above, including those completed at the first-year level, and"

### 63.25 Department of Geography

Page 153, 1998–99 University Calendar, following the heading Geography, sub-heading General Prerequisites (Core Courses), amend the first line of the second paragraph to read as follows:

"Mathematics 1000, or 1090 and 1000, or 1050 and 1051..."

Page 153, 1998–99 University Calendar, following the heading Major in Geography (B.A. or B.Sc.), amend clause 3 a) to read as follows:

"Mathematics 1000, or 1090 and 1000, or 1050 and 1051."

Page 154, 1998–99 University Calendar, following the heading Course Descriptions, amend the prerequisites for Geography 2195 to read as follows:

"Prerequisites: Mathematics 1000, or 1090 and 1000, or 1050 and 1051."

Amend the prerequisites for Geography 2220 to read as follows:

"Prerequisites: Mathematics 1000, or 1090 and 1000, or 1050 and 1051."

Amend the prerequisites for Geography 4130 to read as follows:

"Prerequisites: Geography 3120; Mathematics 1000."

Amend the prerequisites for Geography 4160 to read as follows:

"Prerequisites: Geography 3110; Mathematics 1000."

Amend the prerequisites for Geography 3260 to read as follows:

"Prerequisites: Geography 2195; Geography 2220 or Statistics 2500 or Statistics 2510."

Amend the prerequisites for Geography 4261 to read as follows:

"Prerequisites: Geography 3260; Mathematics 2050; Computer Science 1700 (or equivalent, with permission of instructor and the Head of Department)."

## 63.26 Department of Computer Science

Page 222, 1998–99 University Calendar, following the heading Course List, for Computer Science 2602, 2650, 2801, 2810, 1700 prerequisites:

Delete: "Mathematics 1080"

Add: "Mathematics 1090"

Page 207, 1998–99 University Calendar, following the heading Joint Honours in Computer Science and Physics, delete current clause 6) a) and replace with the following:

"Mathematics 1000 and 1001."

Page 209, 1998–99 University Calendar, following the heading Joint Major in Computer Science and Physics, delete current clause 4) a) and replace with the following:



"Mathematics 1000 and 1001."

### 63.27 Departments of Computer Science and Economics

Page 208, 1998–99 University Calendar, before the entry Joint Major in Computer Science and Geography, insert the following new programme:

"Joint Major In Computer Science and Economics (B.Sc. only)

#### 1) Computer Science Requirements

Forty–two credit hours in Computer Science courses are required: 1700, 2710, 2711, 2740, 2741, 3711, 3714, 3724, 3725, 3731, 3740, 3753, 4718, and 4721.

#### 2) Economics requirements

A total of forty–two credit hours in Economics courses are required: 2010, 2020, 2550, 3000, 3001, 3010, and six credit hours from either 3550 and 3551, or 4550 and 4551 are obligatory.

The remaining eighteen credit hours shall be chosen from among the various Economics courses in consultation with the Head of the Department or delegate, and will include at least nine credit hours in courses at the 4000–level.

#### 3) Additional Requirements

1000, M 1001, M 2000, M 2050 and ST 2510"

Page 220, 1998–99 University Calendar, following the heading Computer Science, sub–heading Programmes in Computer Science, add the following:

"O) Computer Science/Economics Joint Major (B.Sc. Only)"

### 63.28 Departments of Economics and Mathematics and Statistics

Page 209, 1998–99 University Calendar, prior to the heading Pure Mathematics/Computer Science Joint Major (B.Sc. only), insert the following:

"Joint Major in Statistics and Economics (B.Sc. only)

a) M1000, M1001, M2000, M2050, M2051, ST2510, ST2560, PM/ST3410, PM/ST3411, ST3520, ST3540, ST4590.

b) Six further credit hours in Statistics courses numbered 3000 or higher, at least three credit hours of which must be numbered 4000 or higher, excluding ST3521 and 4581.

c) Economics: 2010, 2020, 2550, 3000, 3001, 3010, 4550, 4551.

d) Eighteen further credit hours chosen from among the various Economics courses in consultation with the Head of the Department or delegate, including at least nine credit hours at the 4000–level."

Page 229, following the heading Mathematics and Statistics, sub-heading Programmes in Mathematics and Statistics, after clause e) insert the following:

"Pure Mathematics/Economics Joint Major (B.Sc. only)"

Page 209, following the entry for Applied Mathematics/Computer Science Joint Major (B.Sc. only), insert the following new programme:

"Joint Major in Pure Mathematics and Economics (B.Sc. only)

a) M1000, M1001, M2000, M2001, M2050, AM2130, PM2320, AM3190, AM/PM3202, AM/PM3260, PM3320, ST2510 and one 4000–level course.

b) A computing course early in the programme is required. AM2120 is highly recommended.

c) Economics: 2010, 2020, 2550, 3000, 3001, 3010, and six credit hours from either 3550 and 3551, or 4550 and 4551.

d) Eighteen further credit hours chosen from among the various Economics courses in consultation with the Head of the Department or delegate, including at least 9 credit hours at the 4000–level."

Page 209, before the entry for Joint Major in Computer Science and Physics insert the following new programme:

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

a) M1000, M1001, M2000, M2001, M2050, M2051, AM2130, ST2510, AM3190, AM/PM3202, AM/PM3260, AM4132.

b) Either AM3132 and AM4131 or AM3161 and AM4160.

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

d) Economics: 2010, 2020, 2550, 3000, 3001, 3010, 4550, 4551.

e) Eighteen further credit hours chosen from among the various Economics courses in consultation with the Head of the Department or delegate, including at least 9 credit hours at the 4000-level."

Page 229, following the heading Programmes in Mathematics and Statistics, insert the following in appropriate order:

"Statistics/Economics Joint Major (B.Sc. only)

Pure Mathematics/Economics Joint Major (B.Sc. only)

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

Page 137, following the heading General Degree (B.A. or B.Sc.), immediately preceding the heading Course List insert the following:

"JOINT PROGRAMMES

Programmes for Joint Majors in Economics and Pure Mathematics, Applied Mathematics or Statistics are found under the heading Joint Programmes in the entry for the Faculty of Science.

Students who wish to take a Joint Major in Economics and Mathematics or Statistics must arrange their programme in consultation with the heads of the respective departments and comply with the General Regulations for the Majors Degrees."

### 63.29 Department of Biochemistry

Page 210, 1998–99 University Calendar, following the heading Nutrition Programme, sub-heading Major in Nutrition, in the first paragraph "Entry to the Nutrition..." delete the following:

"In addition, students must be eligible for entry to Chemistry 2400."

### 62.30 Department of Psychology

Page 238, 1998–99 University Calendar, following the heading Psychology, sub-heading Admission to Major and Minor Programmes, amend clause c) to read as follows:

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

Amend clause d) to read as follows:

"d) Six credit hours of electives (nine if only Mathematics 1000 is completed)."

Page 238, 1998–99 University Calendar, following the heading Psychology, sub-heading Requirements for a Major in Psychology, amend clause 2) a) to read as follows:

"2)a) Mathematics 1000."

Amend clause 3) as follows:

Delete "1080, 1081" and replace with "1090".

Following the sub-heading Requirements for a Major in Behavioural Neuroscience (B.Sc. only), delete the current clause 2) a) and replace with the following:

"2)a) Mathematics 1000 and 1001"

Page 205, following the heading Biochemistry (Nutrition) Psychology (Behavioural Neuroscience) Joint Honours, amend clause a) as follows:

Delete "Mathematics 1080 and 1081 (or 1000)" and replace with the following:

"Mathematics 1000"

Following the heading Biochemistry/Psychology (Behavioural Neuroscience) Joint Honours, amend clause a) as follows:

Delete "Mathematics 1000 (or 1080 and 1081) and 1001" and replace with the following:

"Mathematics 1000 and 1001"

Page 206 following the heading Biology/Psychology Joint Honours, amend clause 4. as follows:

Delete "Mathematics 1000 (or 1080 and 1081)" and replace with the following:

"Mathematics 1000"

Following the heading Biology/Psychology (Behavioural Neuroscience) Joint Honours, amend clause 5 as follows:

Delete "Mathematics 1000 (or 1080 and 1081) and 1001" and replace with the following:

"Mathematics 1000 and 1001"

63.31 Department of Physics and Physical Oceanography

Page 234, following the heading Physics and Physical Oceanography, sub-heading Major in Physics, amend clause c) to read as follows:

"c) Mathematics 1000 and 1001."

Page 234, following the heading Physics and Physical Oceanography, sub-heading Honours in Physics, clause c) to read as follows:

"c) Mathematics 1000 and 1001."

Following the heading Physics and Physical Oceanography, sub-heading Honours in Physics, delete the paragraph "\*Chemistry 1800, Mathematics..." and replace with the following:

"Only six credit hours at the 1000 level in each of Physics, Chemistry and Mathematics can be used to fulfil the 120 credit hours required for the Honours programme. The inclusion of Mathematics 1090, the substitution of Physics 1020 and 1021 for Physics 1050 or Chemistry 1010, 1011 and 1031 for Chemistry 1050 and 1051 will each increase the number of credit hours required for the Honours Physics programme by three."

Page 238, following the heading Course List, delete the prerequisite for Physics 1020 and replace with the following:

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

Following the heading Course List, amend the prerequisite for Physics 1021 to read as follows:

"Prerequisites: Physics 1020 or 1050 and Mathematics 1000. Mathematics 1000 may be taken concurrently."

### 63.32 School of Music

Page 186, 1998–99 University Calendar, under the heading Bachelor of Music Degree Regulations, sub-heading D. Performance Major, add new clause 5.e) as follows:

"e) Students in the Performance major may substitute a maximum of three of the following courses for music electives: Education 2510, 2520, 2530, 3920, 3925, 4835, 4845.

Please note that Music Education majors have priority in registering for these courses; spaces may not be available for Performance majors.

Page 187, following the heading F. Conjoint Degrees Programme: Bachelor of Music & Bachelor of Music Education, amend clause 8 to read:

"8. 24 credit hours chosen from disciplines other than music, including at least 6 credit hours in English. Conjoint degrees students are strongly encouraged to take at least 18 credit hours in a second teachable subject."

Page 192, 1998–99 University Calendar, under the heading Music History Courses, in the course descriptions for Music 1002, 1003, 2002 and 2003, change the last sentence to read "Three hours per week." instead of "Four hours per week."

Page 190, 1998–99 University Calendar, under the heading Ensemble Techniques Courses, delete Music 2313 and 2314.

Page 190, 1998–99 University Calendar, under the heading Ensemble Techniques Courses, amend the course descriptions of Music 2311 and 2312 to read as follows:

"Music 2311. Voice/Choral Materials I (3 cr. hrs.). A practical study, in a class situation, of vocal production, choral conducting and rehearsal techniques. This course is open to Bachelor of Music degree students and students in the Music Concentration Programme for the Bachelor of Education (Primary or Elementary) degree.

Music 2312. Voice/Choral Materials II (3 cr. hrs.). Continuation of Music 2311.

Prerequisite: Music 2311."

Page 186, 1998–99 University Calendar, following the sub-heading C. Core Programme, amend first paragraph to read as follows:

"All Bachelor of Music students, regardless of major, must complete the following courses (47 credit hours):

Applied Music (10 credit hours): 140A/B, 240A/B, 240A/B, 2 credit hours of 1611.

Ensemble Techniques (3 cr. hrs.): 2311.

Music History (12 cr. hrs.)...

2137, 2128 or 2138.

Page 186, 1998–99 University Calendar, following the sub-heading D. Performance Major, amend first sentence to read as follows:

"To be awarded the degree of Bachelor of Music in Performance, a candidate shall comply with the School's regulations, and successfully complete a minimum of 124 credit hours, including the 47 credit hours in the Core Programme."

Page 187, 1998–99 University Calendar, following the sub-heading E. General Musical Studies Major, amend the first sentence to read as follows:

"To be awarded the degree of Bachelor of Music in General Musical Studies, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including the 47 credit hours in the Core Programme."

Page 187, 1998–99 University Calendar, following the sub-heading Conjoint Degrees Programme: Bachelor of Music & Bachelor of Music Education, amend first two sentences to read as follows:

"To be awarded the Conjoint Degrees of Bachelor of Music and Bachelor of Music Education, a candidate shall comply with the School's regulations, and successfully complete a minimum of 159 credit hours, including the 47 credit hours in the Core Programme. The remaining 108 credit hours shall be chosen as follows:"

Page 187, 1998–99 University Calendar, following the sub-heading F. Conjoint Degrees Programme: Bachelor of Music & Bachelor of Music Education, amend clause 4 to read as follows:

"4. Music 2312, 3311, 3312, 3313, 3314, 3315, 3316."



Page 187, 1998–99 University Calendar, following the sub-heading G. Theory and Composition Major, amend first sentence to read as follows:

"To be awarded the degree of Bachelor of Music in Theory and Composition, a candidate shall comply with the School's regulations, and successfully complete a minimum of 124 credit hours, including the 47 credit hours in the Core Programme."

Page 187, 1998–99 University Calendar, following the sub-heading H. History and Literature of Music Major, amend first sentence to read as follows:

"To be awarded the degree of Bachelor of Music in History and Literature, a candidate shall comply with the School's regulations, and successfully complete a minimum of 123 credit hours, including the 47 credit hours in the Core Programme."

Page 188, 1998–99 University Calendar, following the heading Interdisciplinary Major in Drama and Music (Bachelor of Arts), amend Regulation 1.d) as follows:

Delete "and 2313"

Following the heading Concentration in Music Under Clause 2(f) of the Bachelor of Education (Primary) and Bachelor of Education (Elementary), delete "Music 2313 and 2314" from the list of required courses, so that the last line reads:

"

\* Music 2311, 2312"

Page 190, 1998–99 University Calendar, amend the prerequisite for Music 3311 to read "Music 2311."

Page 188, 1998–99 University Calendar, following the heading Course Equivalents, amend the entry for 251A/B in the course equivalents chart to read as follows:

"2311 + 2312"

Page 190, 1998–99 University Calendar, amend the title of Music 4311 to read as follows:

"4311. Advanced Choral Conducting (2 cr. hrs. per semester)."

Page 186, 1998–99 University Calendar, under the sub-heading D. Performance Major, amend clause 6 to read as follows:

"6. 24 credit hours chosen from disciplines other than music, including at least 6 credit hours chosen from courses in English and/or designated research/writing courses. Students whose principal applied study is voice must include at least 3 credit hours in each of Italian, German, and French."

Page 187, 1998–99 University Calendar, under the sub-heading G. Theory and Composition Major, amend clause 8 to read as follows:

"8. 24 credit hours chosen from disciplines other than music, including at least 6 credit hours chosen from courses in English and/or designated research/writing courses. All Theory and Composition majors are strongly encouraged to take at least 6 credit hours in German."

Page 187, 1998–99 University Calendar, under the sub-heading H. History and Literature of Music Major, amend clause 8 to read as follows:

"8. 24 credit hours chosen from disciplines other than music, including at least 6 credit hours chosen from courses in English and/or designated research/writing courses AND at least 12 credit hours in a language or languages other than English."

Page 186, 1998–99 University Calendar, under the heading Bachelor of Music Degree Regulations, sub-heading A. Major, amend clause 4 to read as follows:

"4. General Musical Studies. This programme is recommended for those candidates who wish a broad knowledge of music that would prepare them for a variety of career and advanced study options. Students have the option of including a minor in a discipline other than music, in which case they must meet all prerequisites and

requirements for the minor. The subject of the candidate's minor shall be that declared by the candidate on the Change of Academic Programme Form which must then be signed by the head of the department of the minor. Students who intend to apply for admission to the Bachelor of Music Education ..."

Page 187, 1998–99 University Calendar, under the heading Bachelor of Music Degree Regulations, sub-heading E. General Musical Studies Major, delete clauses 5 and 6 and replace with the following:

"5. An additional 54 credit hours to be chosen according to EITHER Option A OR Option B below:

Option A (with minor):

a) An additional 18 credit hours chosen from music courses beyond the 1000 level and meeting the following requirements:

i) At least 9 credit hours must be chosen from courses beyond the 2000 level in music history and music theory.

ii) Credit will not be given for more than 12 credit hours of large ensemble (Music 1611, 2611–2616) toward the Bachelor of Music degree.

iii) Students in the General Musical Studies major may take a maximum of 6 credit hours in Music 3510–3516 beyond the credits permitted under E.2 above.

b) Six credit hours chosen from courses in English and/or designated research/writing courses.

c) A minor of at least 24 credit hours in a subject other than Music. The candidate must follow the regulations for the minor as set forth in the appropriate section of the Calendar.

d) Six credit hours open electives. These may be chosen from courses in music, the minor subject, and/or any other discipline(s).

Option B (no minor):

a) An additional 30 credit hours chosen from music courses beyond the 1000 level and meeting the following requirements:

i) At least 12 credit hours must be chosen from courses beyond the 2000 level in music history and music theory.

ii) Credit will not be given for more than 12 credit hours in large ensemble (Music 1611, 2611–2616) toward the Bachelor of Music degree.

iii) Students in the General Musical Studies major may take a maximum of 6 credit hours in Music 3510–3516 beyond the credits permitted under E.2 above.

iv) A maximum of three of the following courses may be substituted for music electives: Education 2510, 2520, 2530, 3920, 3925, 4835, 4845.

Please note that Music Education majors have priority in registering for these courses; spaces may not be available for General Musical Studies majors.

b) 24 credit hours from disciplines other than music, including at least 6 credit hours chosen from courses in English and/or designated research/writing courses."

63.33 Sir Wilfred Grenfell College

Page 110, 1998–99 University Calendar, under the heading Art History Courses, insert the following:

"NOTES: 1) The prerequisite for all 3000–level courses is Visual Arts 2701 or History 1101 or permission of the Chair, Visual Arts. 2) No students shall register in any course having an initial digit "4" unless they have successfully completed at least six credit hours in Art History courses or by permission of the Chair, Visual Arts."

Page 108, under the sub–heading 1st Year, amend Visual Arts 1000 and 1001 as follows:

"1000. An introduction to two–dimensional media (design, drawing and painting) that will provide students with both studio experience

and an increased sensitivity to aesthetic concerns. Students will investigate design principles through an exploration of visual fundamentals. The course will also cover basic drawing, including drawing from life and will introduce the study of colour through the use of a variety of media. These concepts will be explored through lecture and/or studio experiences. Attendance is required.

Studio and lecture: Three hours per week.

NOTE: Students are NOT expected to have previous drawing or art experience.

1001. An introduction to process-based media that will provide students with both studio experience and an increased sensitivity to aesthetic concerns. Students will be shown the fundamental concepts of a variety of process-based media with selections being made from the media of printmaking, sculpture and photo media (photography, digital imaging, performance, video). These concepts will be explored through lecture and/or studio experiences. Attendance required.

Studio and lecture: Three hours per week.

NOTE: Students are NOT expected to have previous art experience."

Page 110, 1998-99 University Calendar, insert the following where appropriate:

"For 3000 level Art History courses:

All 3000 level courses to have the prerequisite of either VART 2701 or HIST 1101 or by permission of the Chair of Visual Arts.

For 4000 level Art History courses:

Students will normally be allowed to register in Art History courses having the initial digit 4 only after they have successfully completed six credit hours in Art History courses or by permission of the fine arts division."

Page 82, 1998-99 University Calendar, following the heading Specialization in Environmental Science, sub-heading Environmental

Science Core, delete the sections Environmental Science Core, Stream Requirements, Biology stream (ESB) and Chemistry stream (ESCh) and replace with the following:

"Environmental Science Core

The student must complete:

a) Biology 1001, 1002, 2600

Chemistry 1200\*, 1001\*

Earth Science 1000

Mathematics 1000\* (or 1080 and 1081), Math 2550 or equivalent

Physics 1020 – 1021 (or 1050 – 1054)

Environmental Science 4000 (Environmental Science Seminar)

Environmental Science 4950 (or 4951, see Honours section)  
(Research

Project in Environmental Science I)

b) at least two of:

Anthropology 3083 (Cultural Crises and the Environment)

Economics 2010 (Intro Microeconomics)

Environmental Studies 3000 (Environmental Economics)

Philosophy 2809 (Environmental Ethics)

Political Science 3550 (Politics and the Environment)

Political Science 3731 (Environmental Policy)

Religious Studies 3880 (Spirituality and the Environment)

(c) at least three of:

Environmental Science 2261 (Survey of Environmental Chemistry)

Environmental Science 2360 (Geohazards and Natural Disasters)

Environmental Science 2370 (Global Environmental Change)

Environmental Science 2371 (Oceanography)

Environmental Science 2430 (Energy and the Environment)

Environmental Science 2450 (Meteorology)

Environmental Science 3072 (Comparative Marine Environments)

Environmental Science 3470 (Transport Phenomena)

Environmental Studies 2000 (Mapping, Remote Sensing, GIS)

\*It is strongly recommended that students considering the Chemistry stream of the Environmental Science Programme complete asterisked courses in their first year.

### Stream Requirements

Courses required in each stream are listed below:

#### Biology stream

Biology 2010, 2122

ENVS 3110, 3130, 3131, 4132, 4140 or a field course acceptable to the Chair

Chemistry 2300 or 2400/2401 or 2440

Two of ENVS 4069, 4131, 4133, 4240, 4479

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

#### Chemistry stream

Chemistry 2210, 2300 and 2400/2401 or equivalent

Environmental Science 3210, 3211, 3260, 3261, 4230

Two of ENVS 4069, 4131, 4249, 4240, 4479

Mathematics 1001\*

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

Following the heading Requirements for Honours in Environmental Science (B.Sc.), sub-heading 2. Course Requirements for Bachelor of Science (Honours) in Environmental Science, delete the current clause 2. c) and replace with the following:

c) "Honours candidates must complete three credit hours in courses at the fourth-year level in addition to those required in the general degree specialization (or stream). These courses normally will be drawn from the candidate's honours specialization as follows:"

Amend Clause c)1) as follows:

Delete clauses c)1) and c)2) in their entirety and replace with the following:

"1) For the honours Bachelor of Science in Environmental Science (Biology):

A further course chosen from:

ENVS4069, ENVS4131, ENVS4240, ENVS4133, ENVS4479

2) For the honours Bachelor of Science in Environmental Science (Chemistry):

A further course chosen from:

ENVS 4069, ENVS4131, ENVS4240, ENVS4249, ENVS4479"



Add the following to the Prerequisite Notes for ENVS2261, ENVS3131, ENVS3260, ENVS3261, ENVS4249 and ENVS4479:

"or the permission of the instructor and Programme Chair"

Page 93, following the heading Environmental Science Courses, delete "=9 for 4000 level courses that are requirements of the Honours streams."

Page 95, following the course description for 4069. Fundamentals of Soil Systems, add the following:

"Laboratory will cover a number of key physical, chemical and biological properties and procedures used in soil analyses. One or more field trips will be scheduled during laboratory sessions."

Following the prerequisites for ENVS4069 add the following:

"Lectures and Laboratory: Not more than six hours per week"

Amend the prerequisites for ENVS4069 to read as follows:

"Prerequisites: Biology 2600, Earth Sciences 1000, Environmental Science 2261...Environmental Science Programme,"

Delete the current prerequisite for ENVS4230 and replace with the following:

"ENVS3211 or permission of the instructor."

Amend the prerequisite for ENVS4950 to read as follows:

"Prerequisite: Permission of Programme Chair."

## New Course

ENVS4951. Honours Project in Environmental Science I. Under the guidance of a designated supervisor (or supervisors), the student will prepare a thesis proposal including a comprehensive literature review of the subject of their Honours thesis. Students will present the results of their work in both written and oral form.

Prerequisites: This course is restricted to Environmental Science students who have been accepted into the Honours option."

Page 82, following the heading Course Requirements for the Honours Degree in Environmental Science, sub-heading 2. Course Requirements for Bachelor of Science (Honours) in Environmental Science, delete current clause 2.e) and replace with the following:

"2.e) Honours graduates of the Environmental Science Programme will have also completed a two-semester research project consisting of a research proposal and literature review course (ENVS 4951) and a research project course (ENVS 4959)."

Page 83, following the sub-heading 3. Honours Dissertation, amend the first sentence to read as follows:

"The Honours project sequence (Environmental Science 4951 and 4959) involves the production of an honours dissertation."

Page 95, amend the course description for ENVS4959 as follows:

Delete "(One dissertation and one seminar...4950 and 4959)."

Amend the Prerequisite for ENVS4959 to read as follows:

"Prerequisite: Environmental Science 4951."

Amend the Prerequisite for ENVS 4950 to read as follows:

"Prerequisite: Permission of Chair."

Page 93, following the heading Environmental Biology Courses:

New Courses

3110. Taxonomy of Flowering Plants. \*A study of the biodiversity of flowering vascular plants (Magnoliophyta) through the practical identification of Newfoundland families, genera, and species. Related taxonomic and biogeographical principles will be stressed.

Prerequisite: Biology 2010 or equivalent.

Three two-hour laboratory periods per week of integrated practice and theory.

NOTES: 1) Credit can be obtained for only one of ENVS 3110 or Biology 3041.

2) Students must submit a collection of flowering plants identified to the species level. Detailed instructions should be obtained from the instructor in the spring/summer prior to the commencement of this course.

3131. Impacted Terrestrial Ecosystems. An examination of ecological and evolutionary responses by organisms in terrestrial ecosystems to human-derived and natural perturbations. Advanced conceptual, empirical and experimental approaches will be used, with an emphasis on sampling local habitats.

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

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

NOTE: Credit can be obtained for only one of ENVS 3131 or Biology 3610.

4132. Analytical Ecology. The assessment of environmental impacts on higher-level ecological systems requires a critical analysis of scientific reports, along with the ability to evaluate ecological terminology and concepts and associated statistical methodologies. Students in this course will critically read and analyze recent scientific literature in Environmental Biology, with selected topics at the community, ecosystem and landscape level, and examine related univariate and multivariate statistical procedures

Prerequisites: Biology 2600, Statistics 2550 (or equivalent), with a minimum of eighty credit hours from the Environmental Science programme.

Lectures: Three hours of lectures plus a three-hour laboratory/discussion group each week.

4133. Conservation Biology. This course will bring together the principles of ecology and conservation biology at an advanced level. Current issues and techniques will be discussed with an aim towards understanding how populations of native flora and fauna can be managed for long-term conservation in the face of habitat degradation and loss.

Prerequisites: At least two of ENVS 3110, 3130, and 3131; or permission of instructor.

Recommended: ENVS 4132 (formerly Biology 4360)

Three hours of lectures plus a three-hour laboratory/discussion group per week.

4140. Environmental Science Field Course. A course providing practical experience in the observation, collection, identification and quantification of organisms and the various environmental parameters which affect them in pristine and disturbed habitats. Combinations of freshwater, marine and terrestrial habitats will be studied using techniques from various scientific disciplines. The actual combination of habitats, organisms, and techniques will vary from year to year.

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

The addition of the following two credit restriction notes were approved by the Department of Biology, St. John's Campus, and Sir Wilfred Grenfell College.

Page 215, add the following prerequisite note to Biology 3041:

"Prerequisite: Credit can be obtained for only one of Biology 3041 or ENVS 3110."

Add the following prerequisite note to Biology 3610:

"Prerequisite: Credit can be obtained for only one of Biology 3610 or ENVS 3131."

Page 79, 1998–99 University Calendar, following the heading Bachelor of Arts Degree Programmes, following the entry for the Specialization in Historical Studies, insert the following new programme:

### "Specialization in Humanities

The Specialization in Humanities is an interdisciplinary programme offered to candidates at Sir Wilfred Grenfell College for the degree of Bachelor of Arts.

#### REQUIREMENTS FOR A SPECIALIZATION IN HUMANITIES

Students at Sir Wilfred Grenfell College may complete a Bachelor of Arts Degree with a Specialization in Humanities by successfully completing 120 credit hours including the following:

##### A. Humanities Core

Students will be required to complete the Humanities Core, consisting of a minimum of 78 credit hours chosen from the Humanities Disciplines listed in Group A. The courses chosen will be determined by the following requirements:

1. Students will complete 48 credit hours: 39 credit hours in TWO disciplines from Group A plus Humanities 3000 (Perspectives in Humanities), Humanities 4000 (Concepts and Issues in Humanities) and Humanities 4950 (Independent Project in Humanities). Students must complete at least 12 credit hours in EACH of the two disciplines. At least 3 credit hours in Discipline One must be at the 4000-level. The possible distribution of such courses will therefore be as follows:

Discipline One 27 Cr. Hrs. Plus HUMA 3000, HUMA 4000, HUMA 4950

Discipline Two 12 Cr. Hrs.

OR Discipline One 24 Cr. Hrs. Plus HUMA 3000, HUMA 4000, HUMA 4950

Discipline Two 15 Cr. Hrs.

OR Discipline One 21 Cr. Hrs. Plus HUMA 3000, HUMA 4000, HUMA 4950

Discipline Two 18 Cr. Hrs.

2. Students must complete 6 credit hours in EACH of the remaining five disciplines in Group A for a total of 30 credit hours.

NOTE: Since two of the courses taken under clauses 1 or 2 above will include an English first year sequence, these regulations also fulfil the first-year English requirement as outlined in the College Core.

3. Of the 78 credit hours chosen to fulfil the Humanities Core requirement, at least 12 credit hours must be at the 3000 level.

#### B. Social Sciences Requirement

Students must complete 12 credit hours in disciplines chosen from Group B.

At least 6 credit hours of these must be beyond the 1000 level.

#### C. Electives

Students must complete 18 credit hours as electives chosen in consultation with the Programme Chair.

#### D. College Core

Students will complete the following 12 credit hours as defined by the Grenfell College Core requirements:

6 credit hours in Mathematics and/or Statistics

6 credit hours in Science Concepts and Issues

In addition to the specific requirements listed above, students must meet the College Core requirements in Literacy and General Education as outlined in the Core Programme Requirements section of the Grenfell College portion of this Calendar.

## DISCIPLINE GROUPS

### Group A: Humanities

Classics

English

French (or another modern language\*)

History

Philosophy

Religious Studies

Fine Arts History (Art History and Theatre History)

### Group B: Social Sciences

Anthropology

Economics/Business

Folklore

Geography

Political Science

Psychology

Sociology

Women's Studies

Environmental Studies \* Subject to approval by the Chair of Humanities"

New Courses

Humanities 3000. Perspectives in Humanities. This course will explore the role played by the Humanities in the history of Western Civilization. It will introduce the student to the various interpretations of human experience and activities as provided by the disciplines that belong to Humanities.

Prerequisite: 6 credit hours at the 2000–level in any of the Humanities Disciplines.

Note: Humanities 3000 will be available to all students (subject to the above pre–requisite) at SWGC.

Humanities 4000. Concepts and Issues in Humanities. This is a seminar course in which themes having common interest to the Humanities will be discussed from the perspectives of the various disciplines.

Prerequisite: HUMA 3000 or the permission of the Chair of Humanities.

Note: HUMA 4000 is open only to students enrolled in the Humanities Programme.

\*Report of the Academic Council of the School of Graduate Studies

#### 64.18 Department of Folklore

Following the heading Folklore, sub–heading Doctor of Philosophy, amend clause 3. to read as follows:

"3. Second Language Requirements:

Amend clause 4.b) as follows:

Delete the word "foreign" and replace with "second"

Following the sub–heading Courses, amend the second sentence of the first paragraph to read as follows:

"Courses are structured according to the categories of: Theories and Methods, Issues, Form and Performance, Special, Regional



National and Global Heritage, Social Identities, Public and Applied Folklore and Interdisciplinary Perspectives and Required (Ph.D.):"

Delete the sub-heading "Required M.A.)" and replace with "Theories and Methods"

Amend the course title for 6010. to read "Survey of Folklore Genres and Processes"

Amend the course title for 6020. to read "Field and Research Methods"

Amend the course title for 6030. to read "Folklore Theories"

Add the following new courses:

"6040. Feminist Theories: Perspectives and Issues"

6080.Vernacular Theories"

6090. Ethnology

Delete the sub-heading "Genre FS" and replace with "Form and Performance"

Amend the title of 6100. Folksong, to read "6100. Song and Music"

Add new course "6130. Folk Music Canons and Documentary Sound Recordings"

Delete the sub-heading "Genre FN"

Add new course "6220. Personal Experience Narrative"

Delete the sub-heading "Genre L"

Amend the title of 6260. Ethnography of Speaking, to read "6260. Ethnography of Communications"

Add "6720. Folklore and Literature"

Delete the sub-heading "Genre FB"

Amend the title of 6300. Folk Belief to read, "6300. Ethnography of Belief"

Amend the title of 6310. Traditional Health Systems, to read "Health Systems"

Delete the sub-heading "Genre FC"

Amend the title of 6350. Folk Custom, to read "6350. Custom"

Amend the title of 6360. Folk Drama to read "6360. Traditional Drama"

Add new course "6370. Ritual, Festival and Public Display"

Delete 6510. Occupational Folklife

Delete the sub-heading "Genre MC"

Add new course 6420. Art and the Artifact

Add new course "6430. Food and Culture"

Amend the sub-heading "Special" to read "Special Topics"

Amend the course numbers for Special Topics in Folklore to read "6511-29"

Amend the course numbers for Special Research in Folklore to read "6550-69"

Delete "(Special Topics)" from the course title for 6570-79

Delete the sub-heading "Region" and replace with "Regional, National and International Heritage"

Delete 6670. Folklore of the German Language Regions

Delete the sub-heading "Topic" and replace with "Social Identities"

Add "6510. Occupational Folklife"

Delete 6700. Folklore and Culture

Delete Folklore 6710. Folklore and Oral History

Delete 6720. Folklore and Literature

Add "6730. Folklore and Gender"

Delete 6740. Public Sector Folklore

Delete 6750. Folklore and Popular Culture.

Add new course "6770. The Global and the Local"

Add new course "6780. Ethnicities"

Add new sub-heading "Public and Applied Folklore"

Add "6740. Public Sector Folklore"

Amend the title of 6760. Folklore to read "6760. Archiving"

Add new course "6790. Museums: Perspectives and Practices"

Add new course "6800. Applied Folklore"

Add new sub-heading "Interdisciplinary Perspectives"

Add "6700. Folklore and Culture"

Add "6710. Oral Tradition and Oral History"

Add "6750. Popular Culture: Theory and Debate"

Page 412, following the heading Folklore, sub-heading Master of Arts, amend clauses 3.b) and c) to read as follows:

"b) At least one of the following: 6100, 6120, 6130, 6200, 6210, 6220, 6250, 6260, 6360, 6720.

c) At least one of the following: 6300, 6310, 6350, 6370, 6400, 6410, 6420, 6430."

Following the sub-heading Courses, amend the second sentence of the first paragraph to read as follows:

"Courses are structured according to the categories of: Theories and Methods, Issues, Form and Performance, Special, Regional National and Global Heritage, Social Identities, Public and Applied Folklore and Interdisciplinary Perspectives and Required (Ph.D.):"

Delete the sub-heading "Required (M.A.)" and replace with "Theories and Methods"

Amend the course title for 6010. to read "Survey of Folklore Genres and Processes"

Amend the course title of 6020. to read "Field and Research Methods"

Amend the Course title for 6030. to read "Folklore Theories"

Add new courses:

"6040. Feminist Theories: Perspectives and Issues

6080. Vernacular Theories

6090. Ethnology"

Delete the sub-heading "Genre FS" and replace with "Form and Performance"

Delete the current course title for 6100. and replace with "Song and Music"

Add new course "6130. Folk Music Canons and Documentary Sound Recordings"

Delete the sub-heading "Genre FN"

Add new course "6220. Personal Experience Narrative"

Delete the sub-heading "Genre L"

Amend the course title of 6260. to read "Ethnography of Communications"

Add "6720. Folklore and Literature"

Delete sub-heading "Genre FB"

Amend course title for 6300. to read "Ethnography of Belief"

Amend the course title for 6310. to read "Health Systems"

Delete the sub-heading "Genre FC"

Amend the course title for 6350. to read "Custom"

Amend the course title for 6360 to read "Traditional Drama"

Add new course "6370. Ritual, Festival and Public Display"

Delete 6510. Occupational Folklife

Delete the sub-heading "Genre MC"

Add new courses:

"6420. Art and the Artifact

Food and Culture"

Amend the sub-heading "Special Topics" to read "Special"

Amend the course numbers for 6510-29. Special Topics in Folklore to read "6511-29"

Amend the course numbers for 6550-51. Special Research in Folklore to read "6550-69"

Delete "(Special Topics)" from the course title for 6570-79

Delete the sub-heading "Region" and replace with "Regional, National and International Heritage"

Delete 6670. Folklore of the German Language Regions

Delete the sub-heading "Topic" and replace with "Social Identities"

Add "6510. Occupational Folklife"

Delete 6700. Folklore and Culture

Delete 6710. Folklore and Oral History

Delete 6720. Folklore and Literature

Add "6730. Folklore and Gender"

Delete 6740. Public Sector Folklore

Delete 6750. Folklore and Popular Culture

Add new courses:

"6770. The Global and the Local

6780. Ethnicities"

Insert New sub-heading "Public and Applied Folklore"

Add "6740. Public Sector Folklore"

Delete the current title for 6760. Folklore and replace with "6760. Archiving"

Add new courses

"6790. Museums: Perspectives and Practices

6800. Applied Folklore"

Add new sub-heading "Interdisciplinary Perspectives"

Add the following courses:

"6700. Folklore and Culture

6710. Oral Tradition and Oral History

6750. Popular Culture: Theory and Debate"

64.19 School of Social Work

Page 446, 1998–99 University Calendar, following the heading Regulations Governing the Degree of Master of Social Work, delete the current entry in its entirety and replace with the following:

REGULATIONS GOVERNING THE DEGREE

OF MASTER OF SOCIAL WORK

Associate Professor and Director

Elizabeth Dow

The degrees of Master of Social Work and Doctor of Philosophy are offered in Social Work.

The degree of MSW is offered in selected specializations. The programme allows professionally qualified social workers holding the Degree of BSW or an equivalent professional undergraduate degree in Social Work to undertake intensive advanced work in a specialized area of social work knowledge and practice. The particular specializations offered may change from time to time, according to resources, societal needs, the state of knowledge and trends in professional practice. The MSW is offered primarily by part-time study. Selected students may study for the MSW degree on a full-time basis.

The programme is designed to be accessible to students in remote and rural areas, and assumes that students will have a computer with a modem suitable for internet access. Students studying outside St. John's, Newfoundland will also be expected to purchase internet service or to incur long distance charges for accessing their Memorial University internet account.

The deadline date for receipt of applications for admission in September of each year is February 28. Under special circumstances, late applications and admissions in other semesters may be considered.

Social Work Specialization offered effective September 1999 by both thesis and non-thesis Programmes is:

#### Advanced Clinical Practice

Students completing the following specializations which are no longer offered should contact the Graduate Officer in the School of Social Work to discuss options for completion of their MSW Programmes in:

1. Advanced Therapy and Counseling with Individuals and Families
2. Social Policy and Administration.

Entrance into all courses and the offering of any course in an academic year is by approval of the School, consistent with the candidate's programme. Candidates are admitted only into a designated programme of studies in an area of specialization.

The School of Social Work may deliver special offerings of the MSW and/or other Programmes of the School to identified groups of out-of-province students where numbers warrant. These offerings will be self supporting, and therefore subject to an additional one-time non-refundable tuition fee as approved by the Board of Regents and payable on first registration following formal admission to the programme. Students will also pay appropriate tuition fees for each semester during their tenure in the programme.

Admission to the special offerings of these Programmes will be competitive, using the same procedures and standards that are in place for students applying to the St. John's campus programme(s).

Subject to approval by the Committee on Graduate Studies for the School of Social Work, students admitted to an out-of-province programme offering may apply to transfer to the equivalent programme on the St. John's campus. In such instances, the fee



structure under which the student was admitted will not change. Subject to approval by the Committee on Graduate Studies for the School of Social Work, students admitted to a St. John's based programme may apply to transfer to the equivalent out-of-province programme. In these instances, students transferring from the St. John's based programme offerings to an equivalent out-of-province offering will be required to pay a pro-rated one-time fee upon formal transfer to the special offering.

#### A) QUALIFICATIONS FOR ADMISSION

Admission is limited, selective and competitive.

To be considered for admission an applicant shall hold a Bachelor of Social Work degree from an institution recognized by the Senate, with at least second class standing, and an average of at least Grade B in the last 60 undergraduate credit hours, or an equivalent professional undergraduate degree in social work approved by the Graduate Studies Committee of the School of Social Work for recommendation to the Dean.

In addition to the stated academic requirements, the applicant must have completed, subsequent to obtaining the BSW degree, at least two years employment in professional social work practice or in a comparable human service discipline or activity. Extensive relevant experience prior to undergraduate degree work may be recognized in full or partial fulfillment of this requirement.

#### B) PROCEDURE FOR ADMISSION

Applicants must submit an application for admission with supporting documentation to the School of Graduate Studies. The supporting documentation will consist of: an official transcript of the applicant's previous academic record submitted directly from the institution(s) attended; a statement of previous professional employment, a list of any published or unpublished works, and a declaration of programme emphasis and educational objectives; and three letters of appraisal, to be submitted by three referees capable of assessing the applicant's previous academic and/or practice performance. Letters of appraisal are to be submitted directly to the School of Graduate Studies.

The Graduate Studies Committee of the School of Social Work may require the applicant to appear for a personal interview with a faculty member or members.

A student who meets the basic admission requirements under A2 and A3 above may, space permitting, take no more than six credit hours in Social Work graduate courses without applying for and being admitted to the MSW programme. Students wishing to take courses under this provision should submit to the School of Social Work a REQUEST FOR PERMISSION TO REGISTER IN A GRADUATE COURSE with evidence of BSW graduation, and apply or re-apply for admission to Memorial University as an undergraduate at least six weeks before the beginning of the semester in which the class is to be taken.

A person who has completed an MSW degree is eligible to register in any MSW course offering, space permitting.

Qualified students admitted to other graduate Programmes may, space permitting, apply to take Social Work graduate courses SW 6011, SW 6412, SW 6422, SW 6332 and graduate Social Work electives. Students wishing to take courses under this provision should submit a REQUEST FOR PERMISSION TO REGISTER IN A GRADUATE COURSE, academic transcripts and a brief professional resume to the Graduate Officer in the School of Social Work.

### C) PROGRAMME OF STUDY AND RESEARCH

A candidate's programme will be developed cooperatively by the candidate and a faculty advisor designated for this purpose by the Director of the School. The faculty advisor shall counsel the candidate on course selection.

Specified supplementary studies may be required to ensure requisite knowledge pertinent to the specialization.

A candidate electing a thesis programme shall be assigned by the Director in consultation with the student a thesis supervisor. This election can be made upon completion of SW 6412 and SW 6422. The thesis supervisor, when assigned, shall normally assume the duties of faculty advisor under C(1) above.

Candidates admitted to the MSW Programme in Advanced Clinical Practice thesis route must complete a thesis and a minimum of 21 credit hours consisting of SW6011, SW6312, SW6322, SW6332, SW6412, SW6422 and SW6912 (Internship). In addition to these courses, non-thesis candidates must also complete SW6432, SW 6442 and a 3 credit hour graduate elective in Social Work or a related discipline as requested by the candidate and approved by the graduate advisor. Candidates in either route may be required to take additional courses.

#### D) INTERNSHIP

The Clinical Institute of the School of Social Work provides on-site opportunities for advanced clinical practice internships, including practice opportunities with observation, supervision, research and evaluation. Although consideration will be given to all factors affecting the location and type of all social work internships, the final decision regarding internship rests with the School of Social Work. Students are responsible for their own financial self-support during the internship.

Graduate students are responsible for exploring internship options and locating a person with at least an MSW to provide field instruction during their internship. The graduate field coordinator is responsible for finalizing the internship and field instruction arrangements in conjunction with the candidate. Part-time internships of two semesters will require approval from the proposed agency field instructor and the graduate field coordinator.

All candidates wishing to register for SW 6912, the 500 hour field internship, must submit a completed Practicum Planning Information form and a Social Work Internship proposal at least three months prior to the commencement of the semester in which they intend to begin their internship. Evaluation of the internship in Advanced Clinical Practice will be on a PASS/FAIL basis.

Candidates who voluntarily withdraw from the Social Work Internship without prior approval of the graduate field coordinator and the chair of the Graduate Studies Committee, or who conduct themselves in such a manner as to cause the agency and the field coordinator to terminate the placement, will normally be awarded a grade of Fail in the internship course.

Candidates who voluntarily withdraw from the field internship with the prior approval of the graduate field coordinator and the chair of the Graduate Studies Committee cannot be guaranteed a second internship during that semester. In this case, the candidate will be awarded a grade of Incomplete for the internship course. The candidate shall normally complete an internship the following semester.

#### E) COURSE FORMAT

To increase accessibility for students in remote and rural practice, we offer courses in the following formats:

(i) SW 6011, SW 6412, SW 6422, SW 6442 and other Social Work electives: By mixed internet/distance/teleconference delivery and by face-to-face format in St. John's or elsewhere where numbers warrant.

(ii) SW 6312, SW 6322 and SW 6332: By residential institute consisting of 36 hours of classroom instruction in evenings and weekends as follows, and two 1 1/2 hour teleconferences. Offered in St. John's, or elsewhere where numbers warrant. Assignments due at the end of the 13 week semester.

Usual Residential Institute format for SW 6312, SW 6322 and SW 6332

During Fall, Winter and Spring Semesters

	Monday	Wednesday	Friday	Saturday
Week One		7:00 pm – 10:00 pm	7:00 pm – 10:00 pm	9:00 am – 3:00 pm
Week Two	7:00pm – 10:00 pm			
	7:00 pm – 10:00 pm	7:00 pm – 10:00 pm	7:00 pm – 10:00 pm	9:00 am – 3:00 pm
Week Three	7:00 pm – 10:00 pm	7:00 pm – 10:00 pm	7:00 pm – 10:00 pm	7:00 pm – 10:00 pm
	9:00 am – 12:00 pm			

Plus two 1 1/2 hour teleconferences.

Other regular session graduate classes on site in St. John's will be time tabled for Tuesday and Thursday evenings.

(iii) SW 6912, Advanced clinical practice internship and SW 6432 Research Internship can be completed in St. John's, or in a student's home community where appropriate supervision is available.

#### F) PERIOD OF STUDY

For students admitted to the programme outlined in C.4 above:

1. For the candidate in part-time enrolment, the programme of study is designed to permit completion of all degree requirements within nine semesters or three calendar years.

For the candidate in full-time enrolment non-thesis route, the programme of study is designed to permit completion of all degree requirements within three semesters or one calendar year, as follows.

Fall Semester: SW 6011-03, SW 6312-03(institute), SW 6412-03

Winter Semester: SW 6322-03(institute), SW 6422-03, Elective-03

Spring Semester SW 6432-02, SW 6442-01, SW 6332-03(institute),SW 6912-03

#### G) EVALUATION

Failure to attain a final passing grade of A or B in a programme course, or PASS in a PASS/FAIL course, shall lead to termination of the student's programme, unless a re-read has been requested. Failure to obtain the required grades as stated above in the re-read shall lead to termination of the student's programme.

When the Director has determined, on the basis of consultation with the candidate, the advisor, or supervisor, and the instructors, that a candidate's work has fallen below a satisfactory level, the Director may recommend to the Dean of Graduate Studies that the candidate be required to withdraw from the programme.

To remain in good standing students are required to maintain professional behaviour consistent with the current Code of Ethics of

the Canadian Association of Social Workers. Students who fail to meet this requirement will be required to withdraw from the School upon the recommendation of the Graduate Studies Committee.

## H) THESIS

See General Regulation J. THESES AND REPORTS

NOTE: Every candidate shall comply with the General Regulations governing the School of Graduate Studies and the MSW Degree Regulations.

## COURSES

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

### CORE COURSES

SW 6011 Critical Thinking and Ethical Evaluation for Assessment and Intervention (3 credit hours) (Not required by students who have successfully completed SW6010)

SW 6312 Crisis Intervention, Brief and Integrated Therapies for Diverse Individuals (3 credit hours) (Prerequisite SW6011 or the former SW6010) (Not required by students who have successfully completed SW6311)

SW 6322 Family Therapy: Promotion of Strengths and Prevention of Violence in Diverse Families (3 credit hours) (Prerequisite SW6011 or the former SW6010) (Not required by students who have successfully completed SW6321)

SW 6332 Social Work Perspectives in Interdisciplinary Team Development and Group Therapy (3 credit hours) (Prerequisite SW6011 or the former

SW6010) (Not required by students who have successfully completed SW6331)

SW 6412 Research Design for Social Work Assessment and Evaluation (3 credit hours) (Not required by students who have successfully completed SW6411)

SW 6422 Data Analysis for Social Work Assessment and Evaluation (3 credit hours) (Prerequisite SW6412 or the former SW6411)

SW 6432 Research Internship (Prerequisite SW 6412 or the former SW6411 and SW6422) (2 credit hours)

SW 6442 Colloquium Presentation integrating Theory and Research in Advanced Clinical Practice (1 credit hour) (Prerequisite/co-requisite SW 6912, SW 6432)

SW 6912 Advanced Clinical Practice Internship (2 credit hours) (Prerequisites SW6312 or the former SW6311; SW6322 or the former SW6321; and SW6332 or the former SW6331)

ELECTIVES (3 credit hours)

SW 6210 Seminar in Social Planning and Social Development

SW 6220 Seminar in Organization Development

SW 6230 Seminar in Community Development

SW 6510 Seminar in Social Administration: Social Policy Analysis, Development and Administration

SW 6520 Seminar in Social Administration: Programme Design and Development

SW 6530 Seminar in Social Administration: Evaluation of Policies and Programmes

SW 6540 Supervision in Professional and Clinical Supervision

SW 6550 Feminist Therapy in Social Work Practice

SW 6820–29 Individual Reading and Research in Special Areas

64.20 Faculty of Education

Page 420, 1998–99 University Calendar, following the heading Regulations Governing the Degree of Master of Education, sub-heading D) Evaluation, add new clause 3. as follows:

"3. Candidates who voluntarily withdraw from a Faculty of Education practicum or internship without the prior approval of the university supervisor, field supervisor, and the Associate Dean, Graduate Programmes and Research, or who conduct themselves in such a manner as to cause the school or agency and the university to terminate placement, will normally be awarded a grade of Failure in the practicum or internship course for that semester."

Report of the ad hoc Committee on the Appeal of Student #9717505

At a meeting held on November 10, 1998 Senate agreed to appoint an ad hoc Committee to investigate an appeal from Student No. 9717505 regarding an allegation of academic dishonesty brought against him in connection with Anthropology 2480 (Fall Semester 1997).

Ms. R. Preston, Chair of the ad hoc Committee, and Mr. Stephen Shave, student Senator, also a member of the ad hoc Committee, were in attendance to answer questions from Senators.

Following consideration, it was moved by Dr. Adamec, seconded by Dr. Maxwell and carried, to accept the recommendation of the ad hoc Committee that the appeal of Student No. 9717505 be denied.

The ad hoc Committee also raised concerns on two additional issues raised by this case:

"First, the Committee believes that academic units have a responsibility to minimize the opportunity for cheating by scheduling examinations in rooms that are appropriate. In the Committee's view, the room assigned to Anthropology 2480 was inadequate. The seating arrangement in the classroom (Q2013) is suitable for an exam given to 21 students, but there were 36 students registered in the course.



Second, the Committee believes that faculty members have a responsibility to minimize the opportunity for cheating by intervening when suspicious behaviour is noted. In this case the instructor decided not to intervene because of the possibility that he might be misconstruing the situation and he did not want to disrupt the student's performance. The Committee, however, believes that a more appropriate response would have been to confront the student with his suspicions and ask him to move to the front desk or ask him to refrain from looking around and focus on his own paper."

It was agreed that the Executive Committee of Senate be asked to review the concerns raised by the ad hoc Committee.

Dr. Adamec congratulated the Committee for their work in the investigation of this case.

#### ADJOURNMENT

The meeting adjourned at 5:45 p.m.

#### MEMORIAL UNIVERSITY OF NEWFOUNDLAND

#### SENATE

Addendum to the Minutes of the Senate Meeting held on

February 9, 1999

#### 67. REPORT OF THE EXECUTIVE COMMITTEE OF SENATE

It was agreed that the report of the Executive Committee be approved as follows:

Report of the Senate Committee on Undergraduate Studies

#### 67.1 Department of Physics and Physical Oceanography

Page 208, 1998–99 University Calendar, following the heading Physics/Chemistry Joint Honours, amend clause a) as follows:

Delete "Mathematics 2001" and replace with "2050"

Amend clause c) as follows:

Delete "3751" and replace with "any Physics course at the 3000-level"

Page 205, following the heading Physics/Biochemistry Joint Honours, amend clause c) as follows:

Delete "Mathematics 2001" and replace with "2050"

Page 207, following the heading Joint Honours in Earth Sciences/Physics, amend clause e) as follows:

Delete "Mathematics 2001" and replace with "2050"

Page 208, following the heading Applied Mathematics/Physics Joint Honours amend clause c) as follows:

Delete "Physics 3751" and replace with "any Physics course at the 3000-level"

Page 207, following the heading Joint Honours in Computer Science and Physics amend clause 6.b) as follows:

Delete "Mathematics 2001" and replace with "2050"

Page 209, following the heading Joint Major in Computer Science and Physics, amend clause 4.b) to read as follows:

"4.b) Mathematics 2000, 2050, Statistics 2510 and AM/PM 3260."