

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

SENATE

The regular meeting of Senate was held on Tuesday, December 13, 1994, at 8:00 p.m. in Room E5004.

19. PRESENT

The President, The Chancellor, Dr. J. Tuinman, Dr. K. Keough, Dr. K. Bindon, Dean W. Blake, Mr. G. Collins, Mr. R. Ellis, Professor M. Lamb, Dean J. Malpas, Dean T. Murphy, (Dr. F. Riggs for Dean T. Piper), Dr. W. Redden, Dr. W. Rowe, Dean R. Seshadri, Dr. M. Volk, Dr. P. Allderdice, Dr. G. Bassler, Dr. J. Bear, Dr. J. Buffinga, Dr. G. Clark, Professor S. Findlay, Dr. J. Gale, Dr. G. Gardner, Dr. R. Gordon, Dr. G. Gunther, Dr. C. Harley, Professor K. Hestekin, Dr. O. Janzen, Dr. G. Kealey, Dr. J. Kennedy, Dr. A. Kozma, Dr. R. Lucas, Professor E. McKim, Dr. R. Moore-Orr, Dr. P. Nosko, Dr. J. Orr, Dr. R. Payne, Dr. N. Rich, Dr. R. Rompkey, Dr. G. Sabin, Dr. D. Treslan, Dr. C. Turner, Professor Y. Walton, Dr. M. Wernerheim, Dr. M. Withey, Mr. S. Barter, Mr. D. Hynes, Mr. D. Gallant, Mr. B. McCartney.

20. APOLOGIES FOR ABSENCE

Dean W. Ludlow, Dean G. Skanes, Dr. J. Bradley, Dr. W. Davidson, Dr. M. Haddara, Mr. D. Baker, Ms. Paula Grimes, Mr. Roger King, Ms. Jill Power, Ms. W. Stimson.

21. MINUTES

The minutes of the regular meeting of Senate held November 8, 1994, were taken as read and confirmed.

REPORT OF THE SENATE COMMITTEE ON HONORARY DEGREES AND CEREMONIAL

22.1 Candidates for Honorary Degrees

Four names recommended by the Committee on Honorary Degrees and Ceremonial were presented to the Senate for awarding of a doctoral degree honoris causa. Dr. G. Gunther, Mr. R. Ellis, Dr. R. Gordon and Professor S. Findlay each made a brief statement about one of the candidates and members of Senate were given the opportunity to discuss the merits of the candidates before voting. Following each statement and upon voting by a show of hands, all four candidates were approved by at least a two-thirds majority vote.

22.2 Procedures for Appointment of Public Orator

A draft of proposed Procedures for the appointment of Public Orator was presented to Senate for consideration.

Following discussion, it was moved by Mr. Collins, seconded by Dean Murphy that the document, as submitted, be approved.

The Secretary agreed to initiate the necessary procedures for the appointment of a Public Orator in accordance with the Policy.

23. \* REPORT OF THE EXECUTIVE COMMITTEE OF SENATE

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

- \* Report of the Senate Committee on Undergraduate Studies

It was moved by Dr. Treslan, seconded by Mr. Ellis, and carried, that the following undergraduate calendar changes be approved or received for information as appropriate:

23.1 \* Faculty of Engineering and Applied Science

Page 319, 1994-95 Calendar, Engineering 4342, add the following note:

"Note: Credit may not be obtained for both Engineering 5713 and Engineering 4342."

(Engineering 5713 (Fluid Mechanics) will be used for students in Term 5, Civil and Naval Architecture streams. Engineering 4342 will continue to be offered for students in Term 4 of other streams of the Engineering programme.)

Add the following course:

5713. Fluid Mechanics. Properties of fluids; fluid statics; buoyancy and stability; kinematics, continuity, energy and momentum principles; energy and hydraulic gradelines; laminar and turbulent flow; introduction to boundary layers, drag, jets and wakes; fluid measurement; principles of similitude and modelling.

Relevant laboratory exercises.

Note: Credit may not be obtained for both Engineering 5713 and Engineering 4342.

Engineering 6739, Construction Planning, Equipment and Methods, add "Relevant laboratory/field exercises."

Engineering 6705, Structural Analysis I, add "Relevant

laboratory exercises."

Engineering 7706, Structural Analysis II, add  
"Relevant laboratory exercises."

Engineering 7704, Design of Steel Structures", add  
"Relevant laboratory exercises."

Delete Engineering 7707 in its entirety.

Engineering 7744, Highway Engineering, add "Relevant  
laboratory/field exercises."

Engineering 8737, Cost Engineering, add "Relevant  
field exercises."

Engineering 8738, Construction Management, add  
"Relevant field exercises."

Engineering 8744, Transportation Engineering, add  
"Relevant laboratory/field exercises."

Engineering 8751, Coastal and Ocean Engineering, add  
"Relevant laboratory/field exercises."

#### New Special Topics Courses

Engineering 8090. Special Topics in Marine  
Hydrodynamics.

Engineering 8091. Special Topics in Marine  
Structures.

Engineering 8092. Special Topics in Marine  
Engineering.

#### 23.2 \* Department of Political Science

##### Revised title and description

2000. Introduction to Political Thought. A survey of  
the most important political thinkers and schools of  
political thought in the Western political tradition.  
The course will ordinarily cover political thinkers  
from Plato to Marx and include a selection of  
contemporary political ideologies.

##### Revised course descriptions

2300. Introduction to Comparative Politics. An  
introduction to comparative politics focusing on the  
differences and similarities among a variety of  
countries and systems.

3200. Comparative Foreign Policy. An introduction  
to the comparative analysis of foreign policy, with  
special reference to selected great powers.

3300. European Politics. A comparative study of government and politics in selected states of Western Europe. Emphasis will be on parties, institutions, and policy-making, particularly the ways in which states manage their economies.

Revised course title and description

4301. Preconditions of Democracy. A comparative study of the preconditions necessary to develop and sustain democratic regimes and the circumstances under which transitions to democratic rule succeed or fail. The course will examine theoretical materials and apply them to recent and historical transitions to democratic rule.

Delete Political Science 3301.

Insert the following new course following the entry for Political Science 3220:

3291. The European Union. An examination of the European Community as an emergent transnational form of governance. The course will consider the origins of the Community, the operation of its institutions, its transformation from Common Market to European Union, and the ways in which EC politics impinges on national-level politics.

New course:

4313. The Politics of Contemporary Welfare States. A comparative study of the politics of contemporary welfare states. The emphasis will be on the policies of welfare states and the political forces which shape them.

Note: Credit can not be obtained for Political Science 4313 and the former Political Science 3301.

Page 151, renumber Political Science 3290-94, Special Topics in International Relations, as Political Science 3292-3296, Special Topics in International Relations.

23.3 \*Department of Linguistics

Page 144, 1994-95 Calendar, under the heading General Degree, add "Linguistics 4700" to the courses listed in clause 3.

23.4 \*Newfoundland Studies Minor Programme

Page 148, 1994-95 Calendar, under the heading Regulations, clause 1.a), add "Education 3571" to the list of courses acceptable for the Minor in Newfoundland Studies.

23.5 \*School of Nursing

Page 280, 1994-95 Calendar, delete the heading and section entitled "REGULATIONS FOR THE GENERAL DEGREE OF BACHELOR OF NURSING, BACHELOR OF NURSING: FOR BASIC STUDENTS ADMISSION TO THE SCHOOL OF NURSING" and replace with the following new section entitled:

"GENERAL REGULATIONS FOR THE BACHELOR OF NURSING DEGREE ADMISSION TO THE SCHOOL OF NURSING

1. Applicants for admission or re-admission to the School of Nursing must complete a School of Nursing application. Students who have not registered for courses at Memorial University for either of the two immediately preceding semesters must also complete a general application for admission to the University. Applications must be submitted to the Office of the

Registrar.

2. New applicants to the School of Nursing will be accepted for the Fall semester only. DEADLINE: Applications, including all required documents, must be received by April 1.
3. Admission to the School of Nursing is on the basis of competition for a limited number of places. Selection of candidates will be based on academic performance in courses completed and on other criteria considered suitable for professional practice in nursing. The School reserves the right to deny admission to any student if, in the judgement of the Undergraduate Studies Committee, s/he is deemed unsuitable for admission to the School. Priority will be given to residents of the province.
4. Applicants for admission must satisfy the health and immunization requirements of the School of Nursing."

Page 280, under the heading Academic Standards and Promotions, delete #6 and renumber #7, 8 and 9 as #6, 7 and 8.

After the section entitled Academic Standards and Promotions, add the following new headings and section:

"SUPPLEMENTARY EXAMINATIONS

Policy

Any student receiving a grade of 60% in a Nursing course is eligible to write a supplementary examination in that course. Only three supplementary examinations in Nursing courses can be written during

he programme.

#### Guidelines

1. Supplementary examinations are allowed only in Nursing courses that have a written final examination.
2. Supplementary examinations will have the same weight as final examinations for the course in determining whether the student achieves a passing grade for the course.
3. Any student writing a supplementary examination can achieve a maximum grade of 65% in the course.
4. Supplementary examinations will be written no later than the first week of the semester immediately following the one in which the course was failed. Normally they should coincide with the writing of deferred examinations in courses where deferred examinations are granted for the semester in question. Grades for supplementary examinations must be received by the Registrar's Office within one week following the completion of the examination.
5. A student may write a supplementary examination for any one course only once; if the result of a supplementary examination is a fail, then the course must be repeated in order to obtain credit.
6. If it is mathematically impossible to achieve a passing grade in a course, then the student will not be granted a supplementary examination."

Page 280, delete the section entitled Programme of Studies: Bachelor of Nursing and replace with the following new section:

#### "PROGRAMME OF STUDIES: BACHELOR OF NURSING

##### ADMISSION

To be considered for admission to the School of Nursing, applicants are normally required to have successfully completed with a minimum overall average of 65%, ten courses which must include the following or their equivalents.

- a) Biology 1001 and 1002
- b) Chemistry 1000 and 1001
- c) English 1000 or 1050 or 1080 and 1101 or 1102 or 1051 or 1110
- d) Mathematics 1000 or 1081 or both 1050 and 1051
- e) Psychology 1000 and 1001

Note: English 1110 is strongly recommended.

## PROGRAMME REQUIREMENTS

Fifty-four credits are required for the completion of the degree. The required courses beyond the ten normally required for admission are as follows:

### Nursing Courses (33)

2010, 2040, 2101, 2102, 2230, 2250, 2260, 3021, 3022, 3040, 3050, 3060, 3200, 3340, 3350, 3360, 3370, 4002, 4010, 4030, 4310, 4321, 4322, 4330, 5000, 5210, 5220, 5300, 5310 and four of 5311, 5312, 5313, 5314, 5315.

### Other Courses (6)

- a) Chemistry 2420
- b) Biochemistry 2430
- c) Biology 3050
- d) Business 2301
- e) One course from the Philosophy 2800 to 2810 series
- f) Statistics 2500 or equivalent

### Elective Courses (5)

- Of the five electives at least three must be at the 2000 level or above.
- Courses from Sociology, Anthropology and Psychology are recommended.

Nursing courses which are designed for the BN (Post-RN) programme may be used as electives in the BN Programme with permission of the Undergraduate Studies Committee and the course professor.

## REGISTRATION EXAMINATIONS

To meet the licensing requirements for practising nursing in Canada, students must write the licensure examinations from the Canadian Nurses Association Testing Service (CNATS).

To be eligible to write CNATS, candidates must graduate from an approved School of Nursing and be recommended by the School of Nursing.

In order to be recommended for CNATS a student must complete a comprehensive examination in the final year of the programme as set by the school. The comprehensive examination may be in the form of a commercial examination, eg. Mosby Assess Test or NLN examination."

Pages 281-282, 1994-95 Calendar, delete the section and sub-sections entitled Regulations for the General Degree of Bachelor of Nursing (Post-RN) up to section

entitled

the

Diploma Programmes for Registered Nurses and replace with following new heading and section:

"PROGRAMME OF STUDIES: BACHELOR OF NURSING (POST-RN)

#### Admission Requirements

1. a. For the purpose of admission to the School of Nursing, a Registered Nurse is a Nurse who is currently registered in Newfoundland or eligible to register in Newfoundland.
- b. It is required that students have a current, practising licence in Newfoundland before taking courses with clinical components.

NOTE: Qualified applicants will be admitted to the programme as resources permit.

2. a. Admission to the School of Nursing is on the basis of competition for a limited number of places. Selection of candidates will normally be based on academic performance in the following five courses required for the programme.

- Two science courses chosen from Biology, Chemistry, Mathematics, or Physics. (Please refer to Science requirements below).
- One first year English course (English 1110 is strongly recommended).
- One Philosophy course from the 2800 to 2810 series
- One elective

- b. Preference for admission will be given to applicants with at least one year of experience in clinical practice.

NOTE: Post-RN students not admitted to the School of Nursing may be permitted to take the 2000 level nursing courses as space permits.

#### Programme Regulations

Forty-five credits are required for the completion of the degree. Fifteen unspecified transfer Nursing credits are normally awarded on the basis of successful completion of a diploma programme in Nursing.

The required courses beyond the five normally required for admission are as follows:

#### Nursing Courses (17)

2040, 2230, 2700, 3021, 3022, 3200, 4002, 4010, 4310, 4701, 4702, 5210, 5220, 5700, 3 Clinical Option



Courses. The Clinical Option Courses are either a, b or c:

- a) Nursing of the Aged Option 4710, 4711, 4712
- b) Advanced Nursing Care of Adults Option 4720, 4721, 4722
- c) Psychiatric/Mental Health Nursing Option 4730, 4731, 4732.

The clinical option courses are not offered every year. Please consult the School of Nursing for further information on when they will be offered.

#### Science Requirements

Either: (i) Chemistry 2420 and Biochemistry 2430

or (ii) Science courses such that a student has at least two courses at the 2000 level or above in one of the following subject areas: Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Physics.

Courses listed below cannot be used to fulfill the science requirement:

- Science 115A & B
- Biology 2040 or 2041
- Chemistry 2600 or 2601
- Mathematics 2090
- Physics 2151
- Statistics 2500 or equivalent

NOTE: a) The above courses may have prerequisites which students must fulfill and are encouraged to complete as part of their admission requirements.

b) Physiology, Biochemistry and Microbiology are highly recommended. Sciences without a laboratory component are acceptable. c) It is also highly recommended that students take their science courses early in their programme as many nursing courses build on this science foundation.

#### Other Courses

- a) Statistics 2500 or equivalent
- b) Elective courses to make up 45 credits. Of these, at least three should be at the 2000 level or above.

#### NOTES:

- 1) Students should consult the Calendar and contact the appropriate Department for prerequisite requirements.

- 2) Each semester selected courses in the BN (Post-RN) programme will be available through distance education. Courses which are offered through distance education may not be offered on campus during the same semester. Students are advised to check with the School of Nursing for more information regarding course offerings.
- 3) The School of Nursing reserves the right to select sites and nursing courses offered by distance education based on:
  - a) faculty availability
  - b) availability of support needed to meet course and programme objectives
  - c) minimum enrollment to support each course.
- 4) Students are encouraged to contact the School of Nursing should they change their part-time/full-time status."

Page 283, move the section entitled: 5 CREDIT COURSES to the end of the section entitled CREDIT COURSES, that is after the course description for Chemistry 2420 on page 285.

#### Revised course descriptions

Nursing 455X. (5 credits). This course will focus on knowledge and skills needed in the provision of health care to individuals of all ages with common health disorders. A community-based primary care approach will be used for assessment and management. There will be an emphasis on emergency interventions of particular concern to the northern and remote areas. The course will consist of a 6-month clinical experience under nursing and medical supervision in agencies outside of St. John's. Regular seminars and conferences will be included.  
Prerequisites: N2040, N2811, N2831, N2840 and N3200.

480X. (5 credits). This supervised six-month experience is designed to provide the student with clinical practice for the application of theoretical concepts and the development of skills necessary to the management of physical, mental, social needs of the family during the child-bearing cycle. Evaluation will be based on clinical performance and written assignments. The student will practice under Nursing and Medical supervision in agencies outside of St. John's. Regular seminars and conferences will be included.  
Prerequisites: N2040, N3810, N3820, N3830, N3840.

N3810. Nurse-Midwifery I. This course will prepare

the Nurse to manage the care of the pregnant woman and her family during the antepartal phase of the child-bearing cycle. An additional focus will be on the early recognition of signs and symptoms of potential disorder and appropriate interventions in collaboration with physicians and other health team members.

Lecture: Three hours per week.

N3820. Nurse-Midwifery II. This course will prepare the Nurse to manage the care of a medically uncomplicated intrapartal phase. The major focus will be on the early recognition of potential high-risk conditions and appropriate interventions in collaboration with physicians and other health team members.

Lecture: Three hours per week.

N3830. Nurse-Midwifery III. This course will focus on the care and support of a new mother, her infant, and her family during the postpartal phase of the child-bearing cycle.

Lecture: Three hours per week.

N3840. Nurse-Midwifery IV. Emphasis in this course will be on nursing interventions necessary to help assure the physical well-being of the perinate and infant and integration into the family unit.

Lecture: Three hours per week.

Note: The application of selected skills and knowledge appropriate to the above N3810, N3820, N3830, N3840 courses will be provided for in various clinical and community settings.

Page 283, Nursing 2260, after Corequisites delete "...or Admission to the Bachelor of Nursing (Post-Basic) Programme".

Page 284, Nursing 3350, after "Clinical: Eight hours per week." add "or sixteen hours alternate weeks."

Page 284, Nursing 4002, change the word "Laboratory" to "Tutorial".

#### Revised course titles

N4701. Current Concepts in Pathophysiology.

N4702. Current Concepts in Pharmacology and Nutrition.

#### Revised course description

N5310-15. Clinical Practicum Courses. The practicum courses will provide the opportunity to apply knowledge acquired in the previous courses. Each student will complete N5310 Community Health Nursing

and four of the remaining five practicum courses under the guidance of an assigned preceptor:

N5311 Care of the Childbearing Families

N5312 Care of Children and Families

N5313 Care of the Aged

N5314 Care of Adults in Acute Care Settings

N5315 Mental Health Nursing

Prerequisites: N4322, N4330 and the approval of the Undergraduate Studies Committee of the School of Nursing.

Clinical: Each course consists of 4 weeks of clinical experience and the student follows the shift schedule of the preceptor.

N5311 to N5315 will be scheduled during the Spring semester, beginning one week before and ending two weeks after the usual lecture session.

A two day skills laboratory will be scheduled prior to the first clinical course.

N5310 will be offered during the first 4 weeks of the Winter semester.

N5310 may be used as an elective in the BN (Post-RN) programme but students must notify the School by September 1 of their intention to do so. N4010 & N4310 are prerequisites for this course.

Page 287, delete programme outline and replace with the following new programme outline:

SEE UNIVERSITY CALENDAR FOR CHART OF BACHELOR OF NURSING (POST-RN) PROGRAMME OUTLINE

- \* Report of the Academic Council of the School of Graduate Studies

It was moved by Dean Malpas, seconded by Dr. Rompkey and carried that the following graduate calendar changes be approved:

- 23.6 \* Revised Calendar Entry - Department of Mathematics and Statistics - Deferred at the November 8, 1994 meeting of Senate

As requested by the Executive Committee of Senate at a meeting held on October 27, 1994, an excerpt from the Senate Digest of Decrees and Resolutions regarding course numbering was included for the information of Senators.

Pages 401-402, 413, and 431-432, 1994-95 Calendar, delete the following courses from the COURSES lists which appear under the departmental calendar entries for the Master of Philosophy, Master of Science and Doctor of Philosophy programmes:

6031 CATEGORICAL ALGEBRA

6033 ASSOCIATIVE RINGS AND ALGEBRA

6034 REPRESENTATION THEORY

6110 DIFFERENTIAL GEOMETRY I  
6111 DIFFERENTIAL GEOMETRY II  
6131 FUNCTIONAL ANALYSIS II  
6132 FUNCTIONAL ANALYSIS III  
6201 ANALYTIC NUMBER THEORY II  
6211 SPECIAL TOPICS: ALGEBRAIC NUMBER THEORY II  
6351 POINT SET TOPOLOGY II  
6352 POINT SET TOPOLOGY III  
6400 DIFFERENTIAL TOPOLOGY  
6501 MEASURE THEORY II  
6502 MEASURE THEORY III

Renumber 6030 HOMOLOGICAL ALGEBRA to 6323 HOMOLOGICAL ALGEBRA.

Renumber and amend title of 6032 RINGS AND MODULES to 6321 RING THEORY.

Renumber 6035 NONASSOCIATIVE ALGEBRA to 6322 NONASSOCIATIVE ALGEBRA.

Renumber and amend title of 6036-6039 SELECTED TOPICS IN ALGEBRA to 6324-6329 SPECIAL TOPICS IN ALGEBRA.

Renumber 6040 GRAPH THEORY to 6340 GRAPH THEORY.

Renumber 6041 COMBINATORIAL DESIGN THEORY to 6341 COMBINATORIAL DESIGN THEORY.

Renumber 6042 ADVANCED ENUMERATION to 6342 ADVANCED ENUMERATION.

Renumber and amend title of 6080 NUMERICAL ANALYSIS to 6212 NUMERICAL METHODS FOR INITIAL VALUE PROBLEMS.

Renumber and amend title of 6130 FUNCTIONAL ANALYSIS I to 6310 FUNCTIONAL ANALYSIS.

Renumber and amend title of 6200 ANALYTIC NUMBER THEORY I to 6330 ANALYTIC NUMBER THEORY.

Renumber and amend title of 6210 SPECIAL TOPICS: ALGEBRAIC NUMBER THEORY I to 6331 ALGEBRAIC NUMBER THEORY.

Renumber and amend title of 6303-6309 SPECIAL TOPICS IN ALGEBRAIC TOPOLOGY to 6304-6309 SPECIAL TOPICS IN TOPOLOGY.

Renumber and amend title of 6350 POINT SET TOPOLOGY I to 6332 POINT SET TOPOLOGY.

Renumber and amend title of 6500 MEASURE THEORY I (VECTOR MEASURE) to 6312 MEASURE THEORY.

Amend title of 6580-6589 SELECTED TOPICS IN STATISTICS to 6580-6589 SELECTED TOPICS IN STATISTICS AND

PROBABILITY.

Renumber and amend title of 6700-6709 SELECTED TOPICS IN ANALYSIS to 6313-6319 SPECIAL TOPICS IN ANALYSIS.

Add the following to each of the three sections of the Calendar. Place just before the COURSES sections.

"TABLE OF CREDIT RESTRICTIONS FOR PRESENT MATHEMATICS COURSES WITH FORMER MATHEMATICS COURSES

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

Present Course	Former Course
6323	6030
6321	6032
6322	6035
6340	6040
6341	6041
6342	6042
6212	6080
6310	6130
6330	6200
6331	6210
6332	6350
6312	6500"

New courses

6100 DYNAMICAL SYSTEMS

6101 MODERN PERTURBATION THEORY

6102-6109 SPECIAL TOPICS IN APPLIED MATHEMATICS

6201 NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS

6202-6209 SPECIAL TOPICS IN NUMERICAL ANALYSIS

6311 COMPLEX ANALYSIS

6320 GROUP THEORY

The effect of the proposed changes will be to change the list of courses which currently appears in the Calendar (on pages 401-402, 413, and 431-432) to the following:

"6100 DYNAMICAL SYSTEMS  
6101 MODERN PERTURBATION THEORY  
6102-6109 SPECIAL TOPICS IN APPLIED MATHEMATICS  
6212 NUMERICAL METHODS FOR INITIAL VALUE PROBLEMS

6201 NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL

EQUATIONS

6202-6209 SPECIAL TOPICS IN NUMERICAL ANALYSIS  
6300 ALGEBRAIC TOPOLOGY I (HOMOLOGY THEORY)  
6301 ALGEBRAIC TOPOLOGY II (HOMOTOPY THEORY)  
6302 ALGEBRAIC TOPOLOGY III (THEORY OF FIBRE BUNDLES)  
6332 POINT SET TOPOLOGY  
6304-6309 SPECIAL TOPICS IN TOPOLOGY  
6310 FUNCTIONAL ANALYSIS  
6311 COMPLEX ANALYSIS  
6312 MEASURE THEORY  
6313-6319 SPECIAL TOPICS IN ANALYSIS  
6320 GROUP THEORY  
6321 RING THEORY  
6322 NONASSOCIATIVE ALGEBRA  
6323 HOMOLOGICAL ALGEBRA  
6324-6329 SPECIAL TOPICS IN ALGEBRA  
6330 ANALYTIC NUMBER THEORY  
6331 ALGEBRAIC NUMBER THEORY  
6340 GRAPH THEORY  
6341 COMBINATORIAL DESIGN THEORY  
6342 ADVANCED ENUMERATION  
6503 STOCHASTIC PROCESSES  
6510 MATHEMATICAL STATISTICS  
6520 LINEAR MODELS  
6560 CONTINUOUS MULTIVARIATE ANALYSIS  
6561 DISCRETE MULTIVARIATE ANALYSIS  
6580-6589 SELECTED TOPICS IN STATISTICS AND  
PROBABILITY  
6590 A COURSE IN STATISTICAL CONSULTING

23.7 \* Revision to Aquaculture Regulation B.2

Page 406, 1994-95 Calendar, under the heading  
Aquaculture delete clause B.2. and replace with the  
following:

"2. All candidates will be required to take two  
graduate courses which will normally be Aquaculture  
6000 - Shellfish Culture and Enhancement, and  
Aquaculture 6100 - Finfish Aquaculture."

23.8 \* New Graduate Courses - Aquaculture 6000 and 6100

Page 407, insert section entitled COURSES following  
item B.7. as follows:

New Graduate Courses - Aquaculture 6000 and 6100

"COURSES

6000 SHELLFISH CULTURE AND ENHANCEMENT  
6100 FINFISH AQUACULTURE"

23.9 \* School of Nursing

Page 394, 1994-95 Calendar, under the heading  
Regulations Governing the Degree of Master of Nursing,

delete B.4. and replace with the following:

"4.a) For the purpose of admission to the School of Nursing, a Registered Nurse is a Nurse who is currently registered in Newfoundland or eligible to register in Newfoundland.

b) It is required that students are licensed to practice nursing in Newfoundland at the time they take courses with clinical components."

23.10 \*Ph.D. Comprehensive Examination Regulations -  
Engineering

Page 425, 1994-95 Calendar, under the heading Regulations for Ph.D. Comprehensive Examination, Part I - Timing of Examination, amend paragraph to read:

"A candidate registered in a Ph.D. programme in the Faculty of Engineering and Applied Science shall normally take the Comprehensive Examination during the first year of the programme."

Page 425, under the heading Regulations for Ph.D. Comprehensive Examination, Part II - Composition of the Examination Committee, clause a), change the word "Chairman" to read "Chair"; delete the clause d) and amend c) to read:

"c) Four additional voting members nominated by the Faculty of Engineering and Applied Science. The candidate's Supervisor and not more than one other from the Supervisory Committee shall be among the nominated members of the Examination Committee."

Page 425, under the heading Regulations for Ph.D. Comprehensive Examination, Part III - Content of Comprehensive Examination, amend the first paragraph of b) General Examination to read:

The candidate will be expected to demonstrate a mastery of the subdisciplines of engineering as defined in General Regulation H2c."

Page 425, under the heading Regulations for Ph.D. Comprehensive Examination, Part III - Content of Comprehensive Examination, second paragraph of b) General Examinations, change the word "Chairman" to read "Chair".

Page 425, under the heading Regulations for Ph.D. Comprehensive Examination, delete the section entitled Part IV - Subsequent Action. Add as the last paragraph under Part III - Content of Comprehensive Examination:

"The Examination Committee will meet in camera to



arrive at its recommendations. After the Committee has considered the candidate's performance on all portions of the examination, the Chair shall report the result of the examination to the Dean of Graduate Studies. The report will be in accordance with General Regulation H2."

23.11 \*Ph.D. Comprehensive Examination Regulations - English

Page 426, 1994-95 Calendar, under the heading English Language and Literature, Doctor of Philosophy, delete clause 4 and replace with the following:

"4.a) The Ph.D. Comprehensive Examination in the fields of English Language and Literature consists of a written examination.

b) The written examination shall consist of three parts: a four-hour examination in the student's area of concentration and two three-hour examinations in two other areas. This examination shall take place before the end of the seventh semester in accordance with General Regulation H.2.

c) Candidates who fail one or more parts of the written examination may be re-examined in the respective area(s). This re-examination, and whether it be written or oral, is at the discretion of the examination committee. Candidates who fail the re-examination will be required to withdraw from the Ph.D. programme."

23.12 Report of the Committee on Committees

A memorandum dated November 10, 1994, has been received from Gregory Kealey, informing that the Senate Advisory Committee on the Library has elected Dr. Bernice Schrank as its chair for 1994-95.

23.13 Report of the Committee on Senate Elections

A memorandum dated November 2, 1994, has been received from the Registrar and Chairman of the Committee on Senate Elections advising that Dr. William S. Davidson and Dr. Albert Kozma have been elected to the Senate Committee on Committees to fill the two vacant seats reserved for members of Senate for a term of office commencing immediately and expiring August 31, 1995.

ITEMS FOR INFORMATION

23.14 Student Appeals

The Secretary of the Executive Committee reported that the appeal of one student was denied (MUN NO. 9238551). One student appeal (MUN NO. 0693954) was upheld.

OTHER BUSINESS

Dr. Kealey requested that the President comment on the following items for the information of Senators:

1. What is the Provincial Government's position with regard to the Federal Government's green paper entitled Agenda: Jobs and Growth Improving Social Security in Canada?
2. The agreement between the University and NewTel Information Solutions Ltd. (NISL).
3. Possible acquisition of the Aquarena by the University.

The President addressed each of the items as follows:

1. General discussions have been held between the University and officials of the Provincial Government and to date the Province has not taken a position on this matter. The President summarized the University's position on this matter and advised that the University presented a brief to the House of Commons Standing Committee on Human Resources Development which visited St. John's on December 12. The President agreed to the suggestion that the brief be circulated to Senators and also be made available on GOPHER.
2. A statement has been prepared providing details of the privatization of NLCS and the agreement between the University and NewTel Limited and the process by which it was reached. This statement will be widely circulated and is available to any persons who may be interested.
3. Negotiations between officials of the University and representatives from the City regarding the acquisition of the Aquarena were to have commenced on Friday, December 9, but were postponed because of weather conditions. When the negotiations are completed, the University officials will decide whether it is feasible to present a proposal to the Board of Regents.

24. ADJOURNMENT

The meeting adjourned at 8:45 p.m.

SENATE

A special meeting of Senate was held on Tuesday, December 13, 1994, at 8:45 p.m. in Room E5004.

PRESENT

The President, The Chancellor, Dr. J. Tuinman, Dr. K. Keough, Dr. K. Bindon, Dean W. Blake, Mr. G. Collins, Mr. R. Ellis, Professor M. Lamb, Dean J. Malpas, Dean T. Murphy, (Dr. F. Riggs for Dean T. Piper), Dr. W. Redden, Dr. W. Rowe, Dean R. Seshadri, Dr. M. Volk, Dr. P. Allderdice, Dr. G. Bassler, Dr. J. Bear, Dr. J. Buffinga, Dr. G. Clark, Professor S. Findlay, Dr. J. Gale, Dr. G. Gardner, Dr. R. Gordon, Dr. G. Gunther, Dr. C. Harley, Professor K. Hestekin, Dr. O. Janzen, Dr. G. Kealey, Dr. J. Kennedy, Dr. A. Kozma, Dr. R. Lucas, Professor E. McKim, Dr. R. Moore-Orr, Dr. P. Nosko, Dr. J. Orr, Dr. R. Payne, Dr. N. Rich, Dr. R. Rompkey, Dr. G. Sabin, Dr. D. Treslan, Dr. C. Turner, Professor Y. Walton, Dr. M. Wernerheim, Dr. M. Withey, Mr. S. Barter, Mr. D. Hynes, Mr. D. Gallant, Mr. B. McCartney.

APOLOGIES FOR ABSENCE

Dean W. Ludlow, Dean G. Skanes, Dr. J. Bradley, Dr. W. Davidson, Mr. D. Baker, Ms. Paula Grimes, Mr. Roger King, Ms. Jill Power, Ms. W. Stimson.

25. RECOGNITION OF WORK COMPLETED AT BIBLE COLLEGES FOR TRANSFER CREDIT

The Executive Committee of Senate in reviewing a request from a student for recognition of a degree completed at the Catherine Booth Bible College, felt that the material submitted could serve as a case study with respect to the larger question of recognition of Bible Colleges for transfer credit consideration by Memorial and suggested that this topic be discussed at a special meeting of Senate.

Regulation B6 of the current University Calendar, Transfers from Other Universities/Colleges (including amendments approved by Senate on September 13, 1994) reads as follows:

- "3. Course credit which may be granted to any student transferring to this University from any other recognized university or college shall be subject to appropriate Departmental evaluation and University regulations.
4. Memorial University may recognize for transfer credit certain courses offered by the various campuses of the Colleges of Applied Arts, Technology and

Continuing Education (i.e. Cabot College, Eastern College, Central Newfoundland Regional College, West Viking College and Labrador College), the Fisheries and Marine Institute of Memorial University of Newfoundland, and certain other Community Colleges, Technical Colleges, Institutes and CEGEP's. Credit will be considered on an individual basis and shall be subject to appropriate Departmental evaluation and University Regulations."

In a letter dated October 27, 1994, the Evaluations Officer, Ms. Barbara Adams, explained that currently the above regulation is interpreted so that Memorial University recognizes only those Canadian Universities/Colleges which are ordinary members of the Association of Universities and Colleges of Canada (AUCC). All courses are considered on an individual basis by the relevant department which, in turn recommends to the Registrar the equivalent credit to be awarded.

Some of the observations and questions which were discussed by Senate are as follows:

- The criteria required for ordinary membership in the AUCC, i.e. number of students, capacity for research, degree granting status and whether time is allocated for faculty to undertake research.
- The question of whether affiliation or recognition of a Bible College by another institution which is an ordinary member of AUCC should constitute sufficient reason for recognition by Memorial?
- What are the implications of this question with regard to:

Academic Freedom - Is there strength in the argument that since instructors/professors at Bible Colleges, for example, must demonstrate allegiance to a particular belief or set of doctrines that their teaching may not be guided by the same sense of unfettered inquiry that should characterize a secular institution?

Teaching and Research - The teaching of University instructors is supposed to be heavily informed by academic research. Since college instructors do not normally have a research component in their responsibilities does this weaken the "value" of college courses in any way and/or call into question the validity of giving transfer credit only on the basis of seemingly similar calendar descriptions or courses?

- Should not students who have attended such institutions challenge for credit?

Following a lengthy discussion, the President thanked Senators for partaking in the debate and indicated that since no consensus was reached the current regulations and practises would remain in effect.

The student case will be referred to the Executive Committee of Senate for consideration at its next meeting.

26. ADJOURNMENT

The meeting adjourned at 9:35 p.m.