

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

SENATE

The regular meeting of Senate was held on Tuesday, December 12, 1995, at 8:00 p.m. in Room E5004.

16. PRESENT

Dr. J. Tuinman (Deputy Chairman), Dr. G. Gunther (for Dr. K. Bindon), Dean W. Blake, Mr. G. Collins, Professor M. Lamb, Dean A. Law, Dr. D. Hardy (for Dean W. Ludlow), Dr. S. Jerkic (for Dean T. Murphy), Mr. L. O'Reilly, Dean T. Piper, Dr. W. Redden, Dr. W. Rowe, Acting Dean C. Sharpe, Dr. A. Aboulazm, Dr. P. Allderdice, Dr. G. Bassler, Mr. E. Brown, Dr. G. Clark, Dr. W. Davidson, Dr. J. Gale, Dr. G. Gardner, Dr. S. Goddard, Dr. M. Haddara, Dr. G. Handcock, Dr. R. Haines, Dr. C. Harley, Dr. O. Janzen, Dr. G. Kealey, Dr. J. Kennedy, Dr. A. Kozma, Dr. R. Lucas, Dr. N. Rich, Dr. G. Sabin, Dr. D. Treslan, Dr. D. Tulett, Dr. C. Turner, Professor Y. Walton, Professor D. Walsh, Dr. M. Wernerheim, Ms. M. Fara-On, Mr. S. Ennis.

Dr. Tuinman welcomed Ms. M. Fara-On, the newly elected President of the Graduate Students' Union to the Senate.

17. APOLOGIES FOR ABSENCE

The Chancellor, The President, Dr. K. Keough, Dean G. Skanes, Dr. M. Volk, Dr. G. Burford, Dr. V. Maxwell, Capt. W. Norman, Dr. M. Paul, Dr. R. Payne, Dr. S. Saha, Mr. S. Musseau, Mr. B. Penney.

18. REPORT OF THE COMMITTEE ON HONORARY DEGREES AND CEREMONIAL

The name of a candidate recommended by the Committee on Honorary Degrees and Ceremonial was presented to the Senate for awarding of a doctoral degree honoris causa. Dr. P. Allderdice made a brief statement about the candidate and members were given the opportunity to discuss the merits of the candidate before voting. Upon voting by a show of hands, the candidate was approved by at least a two-thirds majority vote.

One name was recommended by the Committee on Honorary Degrees for the award of the title Professor Emeritus. Members of Senate were given the opportunity to discuss the merits of the candidate before voting. Upon voting by a show of hands, the candidate was approved for consideration by the Board of Regents by at least a two-thirds majority vote.

19. MINUTES

The Minutes of the meeting held on November 14, 1995 were taken as read and confirmed with the addition of the following:

"OTHER BUSINESS

Dr. Vance Maxwell observed that Senate had breached its own procedures as outlined in the Handbook of Senate By-Laws and Procedures in that it had failed to arrange for a special meeting of Senate to be held in November, 1995. In response it was noted by the Secretary that a special meeting of Senate had been held in September and this was deemed by the Executive Committee of Senate as meeting the spirit of the requirements for special meetings. Dr. Maxwell also noted that while the Committee on Academic Planning is charged with responsibility for preparing the agenda for the special meetings of Senate, that Committee has not met in the recent past. Dr. Tuinman commented that a meeting of the Senate Committee on Academic Planning would be called in the not too distant future."

20. *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

20.1*Department of Classics

New Course

"Classics 2051. Augustus and Rome. The Age of Augustus (27 B.C. to A.D. 14) witnessed not only Rome's greatest achievements in literature and art but also the replacement of republican government by a monarchy; this course, based on original sources, examines the period through its most powerful and influential figure."

Page 124, 1995-96 Calendar, following the heading Major in Classical Studies, Regulation 3 to be amended to read:

"Two Classical Studies courses chosen from among 2020, 2035, 2040, 2050, 2051, 2155, 2160, 2701."

20.2 Department of Mathematics and Statistics

Page 214, 1995-96 Calendar, following the heading Statistics Courses, replace the single NOTE with the following two notes:

1) In all 2000-level statistics courses, statistical computer packages will be used but no prior computing experience is assumed.

2) All 2000-level statistics courses, ST3410, ST3411, ST4590, and ST4591 have a laboratory period weekly.

Delete the entry for ST2511. Statistics for Science Students II (W)

Delete the current calendar descriptions for ST2500, ST2501, ST2510, and ST2550, and replace with the following:

"ST2500. Statistics for Business and Arts Students. Descriptive statistics (including histograms, stem-and-leaf plots and box plots), elementary probability, discrete random variables, the binomial distribution, the normal distribution, sampling distribution, estimation and hypothesis testing including both one and two sample tests, paired comparisons, chi-square test, correlation and regression. Related applications. Prerequisite: M1000 or two first year credit courses in Mathematics or registration in at least semester 3 of a B.N. program or permission of the head of department. Note: Credit can be obtained for only one of ST2500, ST2510, ST2550, and Psychology 2900. Normally offered twice a year, including the fall.

ST2501. Further Statistics for Business and Arts Students. Power calculation and sample size determination, analysis of variance, multiple regression, nonparametric statistics, index numbers, time series analysis, introduction to sampling techniques. Prerequisite: ST2500 or ST2510 or ST2550 Note: Credit can be obtained for only one of ST2501, ST2560, the former ST2511, and Psychology 2901.

ST2510. Statistics for Physical Science Students. Descriptive statistics, elementary probability, discrete probability distribution, the binomial distribution. Poisson distribution, the normal distribution, introduction to statistical inference, hypothesis testing, including one and two sample tests, chi-square test, correlation and regression, applications to related disciplines. Prerequisite: M1000 or M1081. Note: Credit can be obtained for only one of ST2500, ST2510, ST2550, Psychology 2900, and Engineering 2421. Normally offered twice a year, including the fall.

ST2550. Statistics for Life Science Students. An introduction to basic statistics methods with an emphasis on applications to life sciences and, in particular, to biology. Material includes descriptive statistics, elementary probability, binomial distribution, normal distribution, sampling distribution, estimation and hypothesis testing (both one and two sample cases), chi-square test, analysis of variance, correlation and regression. Prerequisite: M1000 or M1081.

Note: Credit can be obtained for only one of ST2500, ST2510, ST2550, and Psychology 2900. Normally offered twice a year, including the fall."

New Course.

"ST2560. Further Statistics for Science Students. Discrete and continuous distributions, hypothesis testing, type I and type II errors, analysis of variance for single and multi-factor designs, multiple regression, nonparametric tests, special topics, applications to scientific disciplines.

Prerequisite: ST2500 (with M1000 or M1081) or ST2510 or ST2550.

Note: Credit can be obtained for only one of ST2501, ST2560, the former ST2511, and Psychology 2901."

Pages 214 and 215, in ST3521, ST3530, ST3540, ST3570, ST3590, ST4550, ST4560, ST4581, and ST4590:

Replace the prerequisite ST2511 with ST2560 or the former ST2511.

20.3 *Department of Political Science

New Course

"Political Science 3250. International Political Economy. Defined as the zone of interaction between world politics and international economics, international political economy includes such topics as trade politics; sovereign debt and structural adjustment; national foreign economic policies; the politics of economic integration; transnational corporations; hegemony and long cycles; official development assistance; and dependency. The selection of topics presented will vary from semester to semester.

20.4*Faculty of Engineering

New Course

"Forestry 3300. Forest Plants, Animals and their Environment. Climatic conditions strongly influence the distribution and development of organisms in the environment. This course deals with the analysis and integration of responses of individual forest organisms to changing weather and soil conditions, and to changes within forest communities. Emphasis is on the synthesis of organism - environment relationship especially concerning organism responses (size, shape, quality) to natural and human disturbances. The course bridges relationships from the individual level to the stand/population level.

20.5 Faculty of Business Administration

Page 352, 1995-95 Calendar, amend entry for 6000-6019 to read:

"6000-6019 (excluding 6001, 6008, 6009, and 6010).
Special Topics."

Immediately following the above-noted Special Topics entry, insert:

"6010. Strategic Management of Technology and Innovation. This course is designed to explore the strategic management of technology and innovation for improving competitiveness and for business development. This will include market-strategy-technology connections, and technical innovation/new product development processes. Technology and technical innovation are viewed as fundamental to strategic competitiveness and business development as important elements of the management of strategic change in the business firm. In approaching technical innovation as strategic implementation, business environmental, organizational capability, human resources and management factors will be discussed.
Prerequisite: Term 6 standing."

20.6 School of Social Work

Page 367, 1995-96 Calendar, following the heading A. Bachelor of Social Work as a First Degree, subheading Programme of Study, under clause 4, delete the first paragraph and replace with the following:

"Students must ensure that they complete the required courses Psychology 2010, 2011 and 2012 and Social Work 2700 and 2510 (prerequisites for 3000 level social work courses) by the end of their second year."

Following the heading B. Bachelor of Social Work as a Second Degree, subheading Admission/Re-Admission, under clause 4, lines 6 and 7, delete the phrase "...social work position or in a human service position..." and replace with the following:

"...human/social service position..."

Page 370, amend course title for Social Work 5614 to read:

"Social Work in Rural Newfoundland and Labrador."

Page 365, following the heading Admission/Readmission, under clause 7, line 3, delete the phrase "...as well as the regulations for admission to the School", and replace with the following:

"...and apply in competition to the School."

Page 370, following course descriptions for Selected Topics in Social Work Practice, Social Work 5320-5328, add the following:

"NOTE: Social Work 5322, 5323, 5324, 5325 cannot be substituted for a Social Work elective."

Page 365, following the heading Programme of Study, item 1. f), delete the following phrase:

"...chosen in consultation with the student's advisor."

20.7 School of Pharmacy

Page 303, 1995-96 Calendar, following the heading Admission to the School of Pharmacy, clause 6) Eligibility:

"Statistics 2510", to be replaced by "Statistics 2550".

Page 303, following the heading Courses in the Third Year of Pharmacy Studies, move "Elective (F). Any one course...Three hours per week." to the end of the course list.

After the course listing for Elective (F), the following sentence to be inserted:

"The following Pharmacy Elective courses may be completed to satisfy the elective requirement:"

Move the entries for Pharmacy 5010, Pharmacy 5011 and Pharmacy 501A/B from their present position to the bottom of the page, following the above inserted sentence.

21. *Report of the Academic Council of the School of Graduate Studies

21.1 *Graduate Program in Economics

Page 401, 1995-96 Calendar, following the heading Economics, M.Phil programme in Economics to be deleted.

Page 385, following the heading Economics, the M.A. programme in Economics to be deleted and replaced with the following:

"ECONOMICS

The degree of Master of Arts is offered in Economics. The focus of the programme is applied economics in the fields of Natural Resource Economics and Public Sector Economics. Students must specialize in one of those two fields. Other fields may be added in the future. The programme is designed so that suitably qualified students can complete it in three semesters.

A) QUALIFICATIONS FOR ADMISSION

1. To be considered for admission an applicant must normally have completed an undergraduate degree in economics with at least second-class Honours standing or its equivalent. Applicants who do not satisfy this criterion may be admitted following completion of specified undergraduate courses as deemed necessary by the Department.

B) PROGRAMME OF STUDY

1. The programme of study requires completion of six graduate courses in economics and a thesis. The six courses consist of three core courses, Economics 6000, 6001 and 6002; and three field courses which students must select from either the field of Natural Resource Economics or Public Sector Economics.

Normally, the three core courses must be completed before the three field courses, and all six courses taken on a full-time basis.

C) THESIS

1. The thesis topic should normally be related to the field chosen by the student for the field courses. A brief thesis proposal must be presented by the student in the semester in which they register for the last of their required courses. The thesis will consist of a comprehensive study in applied economics, which must embody systematic research and demonstrate a mastery of economic principles and their application. The purpose of the thesis is to provide the student with experience in independently applying economic theory and methods to a policy issue, and presenting that work in a comprehensive fashion.

2. The nature of the thesis is such that students can expect to complete it in one semester if working on it intensively. However, the thesis must be completed within two years following completion of the six required graduate courses. Thesis work will be completed under a supervisor from the Department.

3. The thesis will normally be evaluated internally and in accordance with the requirements of the School of Graduate Studies.

COURSES

The following courses will be offered to meet the requirements of candidates, as far as resources of the Department will allow.

Core Courses

6000. Advanced Micro-economic Theory

- 6001. Advanced Macro-economic Theory
- 6002. Econometrics (formerly 6103)

Public Sector Economics Courses

- 6010. Taxation
- 6011. Expenditure
- 6012. Cost-benefit Analysis
- 6013. Fiscal Federalism
- 6014. Special Topics in Public Sector Economics

Natural Resource Economics Courses

- 6020. Economics of Nonrenewable Natural Resources
- 6021. Economics of Renewable Natural Resources
- 6022. Environmental Economics
- 6023. Advanced Fisheries Economics
- 6024. Special Topics in Resource Economics

Additional courses may be arranged, so far as the exigencies of the Department allow, to meet the particular needs of candidates.

21.2 Department of Psychology

Page 418, 1995-96 Calendar, following the heading Psychology, delete the paragraph "All applicants are required ... Graduate Record Examination", and replace with the following:

- "1. All applicants are required to submit results from the General section of the Graduate record Examinations.
2. At least one letter of reference should come from someone who is familiar with the applicant's research capability."

Page 434, following the heading Psychology, delete the paragraph "All applicants are required ... Graduate Record Examination", and replace with the following:

- "1. All applicants are required to submit results from the General section of the Graduate Record Examinations.
2. At least one letter of reference should come from someone who is familiar with the applicant's research capability."

Page 408, following the heading Applied Social Psychology (Co-operative), subheading A) Qualifications for Admission, delete clause 2, and replace with the following:

- "2. Applications
 - a) All applicants are required to submit results from the General section of the Graduate Record Examinations.
 - b) Applicants are required to submit with their

applications an example of their academic writing. This could include, but is not limited to, papers submitted in class, honours thesis, etc.

c) At least one letter of reference should come from someone who is familiar with the applicants research capability."

21.3 Department of Sociology/Women's Studies

Sociology 6380. Women, Nature, Science and Technology: to be cross-listed as a Women's Studies course.

21. *Department of Biochemistry

New Course

6680. Processing and Quality of Foods

21.5 *Women's Studies

New Course

6500. Women, and Communication Studies

21.6 Marine Institute Student Representation on Senate

In response to a request from the Secretary of Senate dated January 23, 1995, a memorandum dated October 31, 1995, was received from Dr. W. E. Ludlow, Dean of Student Affairs and Services advising that the Council of Students' Union has agreed that one Senate seat currently assigned to undergraduate students will be made available to the students of the Marine Institute for a period of two years. Dr. Ludlow is now recommending that, for a period of two years, the nine undergraduate student senators shall consist of seven student senators from the St. John's campus, two students senators from the Sir Wilfred Grenfell College at Corner Brook and one student senator from the Marine Institute.

A memorandum dated November 6, 1995 was also received from the Executive Director of the Marine Institute proposing the following amendments to the criteria for eligibility of student senators to include Marine Institute students as follows:

"To be eligible for selection to Senate, an undergraduate student shall have obtained a minimum of twenty semester credits and be in clear standing except in the case of Sir Wilfred Grenfell College at Corner Brook where a minimum of ten semester credits must be obtained and in the case of the Marine Institute where a student shall have obtained fifteen semester credits, be in clear standing as defined by the Institute's academic regulations and be enrolled in a programme offered through the Institute."

It was moved by Mr. Collins, seconded by Dr. Aboulazm and carried, the above recommendations be forwarded for approval to the Board of Regents.

During this two year period the Dean of Student Affairs and Services has agreed to monitor this proposal and formulate a permanent arrangement for the consideration of Senate and the Board of Regents.

21.7 Report of the Committee on Committees

In a communication dated 28 November, 1995 Senate was advised that the Council of Students' Union has selected Mr. Russ Carrigan as the student representative on the Committee on Committees.

It was moved by Dr. Kealey, seconded by Mr. Collins and carried that this appointment be approved.

ITEMS FOR INFORMATION

21.8 Department Name Change - Department of Physics

A memorandum dated November 15, 1995 has been received from the Board of Regents advising that at a meeting held on Thursday, November 9, 1995, approval was given to a change in the name of the Department of Physics to the Department of Physics and Physical Oceanography.

21.9 Letter dated November 11, 1995 from Elizabeth Reynolds

A letter dated November 11, 1995 was received from Elizabeth Reynolds, Past President, Memorial University Alumni Association, congratulating the Senate on the awarding of honorary degrees to Dr. Grunia Ferman and Dr. Moishe Kantorowitz.

22. OTHER BUSINESS

Dr. G. Bassler pointed out that members of faculty have been asking why Senate has not been involved in discussions on the academic implications of the impending financial crisis.

It was then moved by Dr. Bassler, seconded by Dr. Rich that the Senate Academic Planning Committee be reactivated and given a mandate to examine the academic ramifications of the current fiscal crisis and of any measures proposed to address this crisis. This mandate might include:

1. Reviewing fiscal restraint measures proposed by the academic and administrative divisions of the university which affect academic programmes
2. Identifying existing duplications of programmes and

of components of programmes.

3. Proposing arrangements for exchange and coordination of programmes with other universities.
4. Examining the potential ramifications of layoffs to research funding and its spinoff.
5. Reporting regularly to Senate.

The Chairman noted that Dr. Bassler was proposing a complex motion and the normal procedure would be for Senate to receive a formal notice of motion. In response to the Chairman's request for clarification of Senate procedures the Secretary noted that Clause IV.A.4 of the Handbook of Senate By-Laws and Procedures states that "Senate shall not entertain at any regular meeting any discussion of, or motions concerning, documents which were not circulated to members at least five days prior to the meeting, except with special leave of the Senate."

It was then moved by Dr. Allderdice, seconded by Dr. Bassler and carried that this Senate procedure be set aside temporarily in order to allow Dr. Bassler's motion to be considered.

Following a lengthy discussion, Dr. Bassler's motion duly seconded by Dr. Rich was voted upon and carried.

It was then moved by Dr. Allderdice and seconded by Dr. Gale that the Senate Committee on Academic Planning be asked to meet before Christmas. When put to a vote the motion failed.

Dr. Davidson asked the Chair to assure Senate that he will report on the deliberations of the Senate Committee on Academic Planning at the January, 1996 meeting of Senate. The Chair gave this assurance. Dr. Davidson requested that these comments be recorded in the minutes.

22. ADJOURNMENT

The meeting adjourned at 9:00 p.m.