FACULTY OF SCIENCE GRADUATE CURRICULUM, POLICY, ADMISSIONS AND STUDY COMMITTEE
APRIL 15, 2011, 1:30 P.M.
MUSC-318

PRESENT: Dr. D. Welch (Chair), Dr. A. Adronov, Dr. A. Arain, Dr. P. Bennett, Dr. K. Dalnoki-Veress, Dr. T. Farrell, Dr. N. Kevlahan, Ms. M. Selvamenan, Mr. C. Teeter, Mrs. M. Espiritu (Assistant Secretary)

BY INVITATION: Dr. N. Balakrishnan, Dr. E. Weretilnyk

REGRETS: Dr. S. Phillips, Dr. J-P Xu

I. Minutes of meeting

The minutes of the meeting of April 22, 2011 were approved on a motion by Dr. Kevlahan, seconded by Mr. Teeter.

II. Business arising

There was no business arising from the previous meeting.

III. Curriculum recommendations

Biology

The Department of Biology proposed the following graduate curriculum revisions.

Change from Biology *6DD3 to Molecular Biology *6DD3
Change from Biology *6H03 to Molecular Biology *6H03
Change from Biology *6P03 to Molecular Biology *6P03

Course cancellations:
*6Y03 – Ecology of Inland Waters
764 – Ultrastructure of Cells

New course:
*6YY3 – Ecology and Management of Coastal Waters

Dr. Dalnoki-Veress moved, and Dr. Kevlahan seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the proposed graduate curriculum revisions from the Department of Biology, as described in the documents."

The motion was **carried**.

Chemistry

The Department of Chemistry requested to cross-list the Computational Engineering and Science course, *6PB3 – Computational Models for Electronic Structure and Chemical Bonding.

Dr. Adronov moved, and Dr. Farrell seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the cross-listing of Computational Engineering and Science course, *6PB3 – Computational Models for Electronic Structure and Chemical Bonding, as Chemistry *6PB3."

The motion was **carried**.

Geography and Earth Sciences

The School of Geography and Earth Sciences proposed the following changes to its graduate curriculum.

New courses:
*758 - Advanced Structural Geology
*759 – Numerical Modelling in Global Climatology

Course cancellations:
*6O03 – Environmental Isotope Geochemistry
*6Q03 – Sedimentary Geochronology
*6S03 – Advanced Topics in Spatial Statistics

Dr. Kevlahan moved, and Ms. Selvamenan seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the proposed graduate curriculum changes from the School of Geography and Earth Sciences, as described in the documents."

For course *759 – Numerical Modelling in Global Climatology, Dr. Welch commented that all undergraduate courses in climatology that are prerequisites to this course should be listed in the form.

The motion was **carried**, subject to the additional information required for *759.

Kinesiology

The Department of Kinesiology has proposed the cancellation of course *716 – Skeletal Muscle Cell Biology and Clinical Myology. The instructor no longer has the time or resources to offer this course, and another instructor in the department is offering a similar course.

Dr. Dalnoki-Veress moved, and Dr. Kevlahan seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the cancellation of Kinesiology *716 – Skeletal Muscle Cell Biology and Clinical Myology, as described in the document."

The motion was **carried**.

Mathematics

The following graduate curriculum changes were proposed for the Mathematics programs.

Change in course requirements for the Ph.D. program – reduce course requirements for Ph.D. students who have already fulfilled the M.Sc. course requirements

Change in course requirements for the M.Sc. program

New courses:
*749 – Mathematical and Computational Fluid Dynamics *(to be cross-listed as CES *749)*
#778 – Applied Computational Finance I
#779 – Applied Computational Finance II

Change in course title and description: *711 – Model Theory

Course cancellations: *773 – Applied Computational Finance

Dr. Farrell moved, and Dr. Adronov seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the proposed graduate curriculum changes for the M.Sc. and Ph.D. programs in Mathematics, as described in the documents."

Dr. Kevlahan said his department is proposing to reduce the minimum course requirement for Ph.D. students from four one-term courses beyond the M.Sc. level to two one-term courses. He explained that the current policy requires students who have completed the M.Sc. in mathematics to complete a minimum of 10 one-term courses during their Ph.D. and M.Sc. studies. He further said the minimum is in need of modification given the range of appropriate courses currently offered and the fact that essentially all Ph.D. students enter through the M.Sc. program (either by transferring or completing an M.Sc.).

Dr. Kevlahan stated that his department has also proposed adding an M-phimac option to the M.Sc. program and updating the Ph.D. course requirement to two courses for those students transferring from the M.Sc.

The motion was **carried**.

Statistics

The following graduate curriculum changes were proposed for the Statistics program:

Change in course requirements for the M.Sc. program – Statistics *770 will be a required course

Dr. Balakrishnan explained that the department is proposing to make Statistics *770 a required course for the Statistics M.Sc. program. Dr. Balakrishnan further explained that the course will assist graduate students in Statistics in developing technical report writing skills. In addition, the course would effectively introduce research components into the Coursework Option, which was one of the concerns raised in the recent OCGS evaluation of the M.Sc. program in Statistics.

New course:
*721 – Statistical Modelling in Practice

Dr. Balakrishnan explained that the new course, *721, would be required by students in the Financial Mathematics option.

Change in course description:
*770 – Statistics Seminar

Dr. Balakrishnan explained Statistics *770 is being proposed as a required course for the M.Sc. Statistics program. The proposed change in the description of this course is necessary since it explains that the course consists of the seminars delivered in the weekly seminar series, as well as the reports on selected seminars that graduate students must prepare and submit for evaluation. In this process, the research component can be introduced for all students in the Masters program irrespective of whether they are in the thesis option or in the course work option.

Dr. Dalnoki-Veress moved, and Dr. Farrell seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the proposed graduate curriculum changes for the M.Sc. Statistics program, as described in the documents."

The motion was **carried**.

Medical Physics and Applied Radiation Sciences

The Department of Medical Physics and Applied Radiation Sciences has proposed the following graduate curriculum changes.

Change in course title and description:
*770 – Medical Imaging Systems I *(to be cross-listed as Biomedical Engineering *770 and Electrical and Computer Engineering *780)*

Change in course description:
*776 – Introduction to Operational Health Physics

Request to cross-list a course:
Biomedical Engineering *702 – Medical Imaging Systems II *(to be cross-listed as Medical Physics *702)*

Dr. Farrell moved, and Mr. Teeter seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the graduate curriculum changes proposed by the Department of Medical Physics and Applied Radiation Sciences, as described in the documents."

The motion was **carried**.

Psychology, Neuroscience and Behaviour

The Department of Psychology, Neuroscience and Behaviour has proposed the cancellation of course, *721 – Scientific Ethics and Professional Issues. Dr. Bennett explained that the course is no longer taught because the content overlaps significantly with SGS #101.

Dr. Bennett moved, and Dr. Farrell seconded,

"that the Faculty of Science Graduate Curriculum, Policy, Admissions and Study Committee approve the recommendation of the Department of Psychology, Neuroscience and Behaviour to cancel course *721 – Scientific Ethics and Professional Issues, as described in the document."

The motion was **carried**.

There was no other business and the meeting adjourned at 2:15 p.m.