

**FACULTY OF ENGINEERING GRADUATE CURRICULUM AND POLICY COMMITTEE  
FEBRUARY 16, 2012, 1:00 PM  
MUSC-318**

**PRESENT:** Dr. H. Sheardown (Chair), Ms. S. Baschiera (Secretary), Dr. A. Deza, Mr. H. El-Sewify, Dr. P. Guo, Mr. J. Jaskolka, Dr. J. Kish, Dr. R. LaPierre, Dr. T. Maibaum, Dr. J. McDermid, Mr. R. Pukadyil, Mr. B. Statham, Dr. C. Swartz, Mr. J. Yau, Mr. E. Yu, Mrs. M. Espiritu (Assistant Secretary)

**BY INVITATION:** Dr. M. Noseworthy

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**I. Minutes of Meeting**

The minutes of the meeting of April 12, 2011 were approved on a motion by Dr. Swartz, seconded by Dr. Deza.

**II. Business Arising**

There was no business arising from the minutes of the previous meeting.

**III. Graduate Curriculum Recommendations**

Biomedical Engineering

The School of Biomedical Engineering has proposed a change in the calendar description of the admission requirements. The School also proposed cross-listing of ECE \*6BD4 – Biomedical Instrumentation (as BME \*6BD4) and MECH \*717 – Current Topics in Orthopedic Biomechanics (as BME \*717).

Dr. McDermid moved, and Dr. Deza seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed changes from the School of Biomedical Engineering, as described in the documents.”**

The motion was carried.

Computing and Software

A change in course title and description for \*701 – Logic and Discrete Mathematics and \*738 – Algebraic Methods in Software Engineering and Computer Science was proposed by the Department of Computing and Software.

Dr. Deza moved, and Dr. McDermid seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed change in title and description for courses, \*701 and \*738, as described in the documents.”**

The motion was carried.

### Civil Engineering

The Department of Civil Engineering proposed the following graduate curriculum changes:

Course cancellations:

- \*6C03 – Environmental Impact and Sustainability
- \*6D04 – Geometric Highway Design
- \*6H03 – Analysis of Transportation Systems
- \*6U03 – Unit Operations and Processes in Environmental Engineering
- #791 – Municipal Solid Waste Management
- #792 – Hazardous Waste Management

New courses:

- \*6CM4 – Advanced Construction Management
- \*6SD4 – Structural Dynamics and Earthquake Engineering
- \*6V04 – Biological Aspects of Wastewater Engineering
- \*738 – Seismic Behaviour, Analysis and Design of Masonry Structures
- \*758 – Introduction to Mechanics of Elastic/Inelastic Solids

Change in course number:

- \*6G03 – Pavement Materials & Design – change to \*6G04

Dr. McDermid moved, and Dr. Deza seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed curriculum changes from the Department of Civil Engineering, as described above.”**

The motion was carried.

### Engineering Physics

The Department of Engineering Physics proposed the following changes to its graduate curriculum:

New courses:

- \*777 – Advanced Photovoltaics
- \*783 – Nuclear Fuel Engineering (to be cross-listed as UN 0806)
- \*784 – Nuclear Fuel Management
- UN 0806 – Nuclear Fuel Engineering (to be cross-listed as \*783)

Change course number:

- UN 0902 – Fuel Management – change to UN 0501

Dr. Deza moved, and Dr. McDermid seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed curriculum recommendations from the Department of Engineering Physics, as described above.”**

The motion was carried.

#### Materials Science and Engineering

The Department of Materials Science and Engineering proposed the following changes to its graduate curriculum:

New course:

- #733 – Materials Characterization by Electron Microscopy

Course cancellations:

- #756 – Deformation and Fracture of Crystalline and Amorphous Polymers
- #763 – Physical Behaviour of Amorphous Solids

Dr. McDermid moved, and Dr. Deza seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed curriculum changes from the Department of Materials Science and Engineering, as described above.”**

The motion was carried.

#### Mechanical Engineering

The following changes were proposed by the Department of Mechanical Engineering:

New courses:

- \*6B03 – Topics in Product Development
- \*717 – Current Topics in Orthopaedic Biomechanics (to be cross-listed as BME \*717)

Dr. McDermid moved, and Dr. Deza seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the proposed changes from the Department of Mechanical Engineering, as described above.”**

The motion was carried.

#### School of Engineering Practice

The School of Engineering Practice proposed two new courses: \*748 – Development of Local Sustainable Communities and \*770 – Total Sustainability Management.

Dr. Deza moved, and Dr. McDermid seconded,

**“that the Faculty of Engineering Graduate Curriculum and Policy Committee approve the new courses, School of Engineering Practice \*748 and \*770, as described above.”**

The motion was carried.

There was no other business and the meeting adjourned at 1:20 p.m.