



MEMORANDUM

To: Executive Committee of Faculty Council

From: Professor Chris Damaren
Chair, Engineering Graduate Education Committee

Date: November 13, 2012 for November 29, 2012 Faculty Council Meeting

Re: Report of the Engineering Graduate Education Committee

REPORT CLASSIFICATION

This is a routine matter that will be considered by the Executive Committee for approving and forwarding to Faculty Council for information.

New Courses Approved

AER1514H	Mobile Robotics
APS1018H (CHE)	History and Philosophy of Engineering
APS1020H (CHE)	International Business for Engineers
JCR1000Y (CHE)	An Interdisciplinary Approach to Addressing Global Challenges
JMB1050H (BME)	Biological and Bio-inspired Materials
ECE537H	Random Processes
ECE1549H	Stochastic Networks
MIE1120H	Current Energy Infrastructure and Resources
MIE1415H	Analysis and Design of Cognitive Work
MIE1505H	Enterprise Modelling
MIE1513H	Decision Support Systems
MSE1032H	Atomistic Modeling of Materials

Courses Renamed

<i>From</i>	<i>To</i>
ECE1778H	Creativity and Programming of Mobile Devices Creative Applications for Mobile Devices

Courses Deleted

MIE1006H	Non-linear Vibrations
MIE1406H	Cognitive Work Analysis
MIE1409H	Human Computer Interface Design for Complex Systems

Minor Modifications

Department of Mechanical and Industrial Engineering – Renaming of Fields

The following 9 fields in MIE were originally approved by the OCGS on July 24, 2008:

Applied Mechanics, Robotics and Materials Engineering
Biomedical Engineering
Computer Aided Design and Materials Engineering
Energy Studies, Thermodynamics and Surface Science
Environmental Engineering
Fluid Sciences
Human Factors/Ergonomics
Information Systems and Enterprise Engineering
Operations Research

Under this proposal 6 of the 9 fields were renamed to reflect recent developments in research foci of MIE faculty. The 9 new fields will be:

Advanced Manufacturing and Materials Engineering
Applied Mechanics and Design
Biomedical Engineering
Energy and Environmental Engineering
Human Factors/Ergonomics
Information Engineering
Operations Research
Robotics, Mechatronics and Instrumentation
Thermal and Fluid Sciences Engineering