



**MEMORANDUM**

**To:** Executive Committee of Faculty Council

**From:** Professor Chris Damaren  
Chair, Engineering Graduate Education Committee

**Date:** October 4, 2011 for October 6, 2011 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.

**FOR INFORMATION**

**New Courses Approved**

|                   |   |
|-------------------|---|
| AER1403H          | Advanced Aerospace Structures                                   |
| APS1015H<br>(MIE) | Social Entrepreneurship   |
| APS1016H<br>(MIE) | Financial Management for Engineers                              |
| CHE1123H          | Liquid Biofuels   |
| CHE1125H          | Modelling and Optimization of Chemical and Biochemical Networks |
| CHE1430H          | Hydrometallurgy, Theory and Practice                            |
| CHE1431H          | Environmental Auditing  |
| CHE1432H          | Technical Aspects of Environmental Regulations                  |
| CHE1433H          | Air Dispersion Modelling  |
| MIE1132H          | Heat Exchanger Design   |
| MIE1240H          | Wind Power  |
| MIE1803H          | Advanced Matlab for Engineers                                   |

**Courses Reactivated**

|                |                                       |
|----------------|---------------------------------------|
| APS1017H (MIE) | Supply Chain Management and Logistics |
| DMI0922H (MIE) | Mechatronics Engineering              |

### Courses Renamed

|          | <i>From</i>                     | <i>To</i>                          |
|----------|---------------------------------|------------------------------------|
| CHE2504H | Industrial Pollution Prevention | Environmental Pollution Prevention |
| MIE1001H | Dynamics II                     | Advanced Dynamics                  |
| MIE1005H | Theory of Vibration I           | Theory of Vibrations               |
| MIE1801H | Engineering Analysis III        | Advanced Engineering Analysis      |

### Course Renumbered

|         | <i>From</i>      | <i>To</i> |
|---------|------------------|-----------|
| CHE553H | Electrochemistry | CHE1053H  |

### Courses Deleted

|          |  |
|----------|--|
| MIE1062H | Robot Kinematics and Dynamics            |
| MIE1067H | Automation System Design and Integration |

### PhD Program Requirements Changed

| Department of Mechanical and Industrial Engineering   |
|---|
| <p><b>Doctor of Philosophy</b></p> <p>The departmental PhD examination is no longer a requirement. In its place, PhD students will be required to present a department seminar during the final year of their studies.</p> <p>The final PhD progress review meeting prior to a student finishing up ostensibly serves the same purpose as the departmental PhD exam, to the extent that the exam is often redundant. On the other hand, the Department of MIE considers it important that PhD students nearing graduation present their research to members of the department: faculty members and graduate students.</p> |