UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

MEMORANDUM

To: Executive Committee of Faculty Council (March 25, 2015)
Faculty Council (April 17, 2015)

From: Professor Markus Bussmann
Chair, Engineering Graduate Education Committee (EGEC)

Date: May 1, 2015

Re: **EGEC Information Report**

REPORT CLASSIFICATION

This is a routine or minor policy matter that has been approved by the Engineering Graduate Education Committee on behalf of Faculty Council[1]. It will be considered by the Executive Committee for endorsing and forwarding to Faculty Council for information.

New Courses Approved

MIE1010H	Introduction to Healthcare Engineering
MSE1034H	Directed Readings in Materials Science and Engineering I
MSE1035H	Directed Reading in Materials Science and Engineering II
ECE1551H	Mobile Broadband Radio Access Network
MIE1743H	Axiomatic Design Principles for Conceptual and Embodiment Design
APS1034H	Understanding Technological Catastrophes

Deactivated Courses

JEB1375H	Practical Optimization
JEB 1451H	Cellular Bioelectricity
ECE1506H	Communications and Signal Processing Seminar I
ECE1507H	Communications and Signal Processing Seminar II
ECE1515H	Smart Antennas

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[1] As a result of the 2005 Task Force on Graduate Education at the University of Toronto, EGEC has delegated authority to "consider and approve on behalf of Faculty Council and/or recommend to Faculty Council and/or SGS, matters relating to graduate curriculum, policy, new initiatives, program and course changes".

ECE1516H	Visual Data Engineering
ECE1523H	Coded Modulation
ECE1530H	Multi-User Detection
ECE1540H	Digital Telephony
ECE1544H	Optical Communication Networks
ECE1546H	Broadband Integrated Networks
ECE1547H	Content-Based and Network Security
ECE1729H	Fault Tolerant Computing
ECE1734H	Computer Communications
ECE1735H	Computer Hardware
ECE1742H	Lang Directed Arch
ECE1746H	Distributed Systems
ECE1751H	VLSI Arithmetic Structures
ECE1752H	Real Time Systems and Software
ECE1761H	Advanced Topics in Digital Hardware
ECE1765H	File Structures and Storage Systems
ECE1768H	Reliability of Integrated Circuits
ECE1772H	Motion Analysis in Computer Vision
ECE1775H	Microphone Arrays: Theory and Applications
ECE1244H	Plasma Waves
ECE1247H	Non-linear Optics
ECE1251H	Matter Wave Interaction
ECE1362H	Filter Theory and Design
ECE1041H	Numerical Solution of Field Problem
ECE1042H	High-Voltage Engineering
ECE1057H	Static Power Converters I – Principles of Operation and Applications
ECE1058H	Static Power Converters II – Dynamics and Control
ECE1060H	Power Electric Systems
ECE1063H	Appliation of Power Devices
ECE1064H	MAGNETIC DEV-PWR ELE
ECE1067H	Switch Mode Power Supplies (SMPS)
ECE1070H	Electric Machinery Dynamics
ECE1072H	AC Drive System Dynamics
ECE1079H	Electromech. Energy
ECE1080H	Approx Method Field Problem
ECE1081H	Application of the Finite Element Method to Field Problems
ECE1082H	Mathematics for Advanced Electromagnetics
ECE1083H	Harmonic Balance and the Finite Element Method
ECE1432H	Theory of Coherence
ECE1435H	Applied Optics
ECE1445H	Optical Communications II
ECE1449H	Photonics I
ECE1468H	Electronic and Optical Properties of Quantum Dots
ECE1469H	Amorphous Semiconductors: Fundamentals and Applications

ECE1470H	Nanocomposite Materials for Luminescence, Detection, Modulation, and Switching
ECE1471H	Erbium-doped Fiber Amplifiers: Design and Characterization
ECE1472H	Photonic Fabrication and Packaging
ECE1474H	Fibre Lasers and Amplifiers
ECE1617H	Large Scale System Theory and Control
ECE1634H	Real-Time Comp Control
ECE1640H	Analysis and Control of Stochastic Systems I
ECE1641H	Multiwave Controlled Design
ECE1644H	Large Scale System Theory and Control II
ECE1646H	Digital Control
ECE1649H	Adaptive Control
ECE1651H	Adaptive Signal Processing and Control
ECE1652H	Stochastic Processes with Applications
ECE1654H	Optical Networks: A Systems Control Perspective
ECE1655H	Optimal Control

Minor Modifications

ECE1049H	Special Topics in Energy Systems (revised course tile)
ECE1255H	Special Topics in Electromagnetics (was ECE1089H)