FIRST SEMESTER 2013 BOOKLIST

ELECTRICAL AND INFORMATION
ENGINEERING

ELEC1103 – Fundamentals of Electrical &Electronic Engineering
Unit Co-ordinator: A/PROF PHILIP LEONG
Lecturer: DR KEITH MITCHELL, DR HANSEN YEE
Electric Circuits, 9th Edition
By James W. Nilson, Susan Riedel
Introduction to MultiSim for Electric Circuits
By Nilsson and Riedel

ENGG1805 – Professional Engineering and IT
Unit Co-ordinators: A/PROF PHILIP LEONG
Lecturer: Dr RICHARD DAVIS /SIT/AMME
No text required. Notes will be on the web.

ELEC2004 – Electrical Engineering: Foundations
Unit Co-ordinator: DR KRUM SATHIARAM
Foundations of Electrical Engineering
JR Cogdell
(Prentice Hall), B733777

ELEC2602/5722 – Digital Logic
Unit Co-ordinator: A/PROF PHILIP LEONG
Lecturer: Mr CHARLES THOMAS
Fundamentals of Digital Logic with VHDL Design
Stephen Brown and Zvonko Vranesic

ELEC3104/5730 – Engineering Electromagnetics
Unit Co-ordinator: A/PROF JAVID ATTAR
Fundamentals of Applied Electromagnetics
Fawwaz T. Ulaby, Eric Michielssen & Umberto Ravaioi

ELEC3203/5732 – Electricity Networks
Unit Co-ordinator: DR GREGOR VERBIC
Power System Analysis & Design
J. Duncan Glover, Mulukutla S. Sarma, Thomas Overbye
(CENGAGE Learning), ISBN 9781111425791

Modern Power System Analysis
D P Kothari, J J Nagarsh
Power System Analysis
Saadat Hadi

ELEC3204/5737 – Electronic Circuit Design
Unit Co-ordinator: DR ALISTAIR MCEWAN
Microelectronic Circuits
Sedra/Smith
(Oxford Uni Press) 5th Edition

ELEC3305/5736 – Digital Signal Processing
Unit Co-ordinator: DR YASH SHRIVASTAVA
Fundamentals of Digital Signal Processing
Joyce Van de Vegte
(Prentice Hall), 1st Edition, B982532 9780130160775

ELEC3404/5733 – Power Electronics and Applications
Unit Co-ordinator: A/PROF PHILIP LEONG
Power Electronics: Converters, Applications, and Design
Ned Mohan, Tore M. Underland, and William P. Robbins

ELEC3505/5739 – Communications
Unit Co-ordinator: PROF ABBAS JAMALIPOUR
Communication Systems
Joyce Van de Vegte

Communication Systems
A Bruce Carlson

Digital Communications
Bernard Sklar

Introduction to Wireless Systems
Course Notes
Bruce A Black et al,

ELEC3607/5741 – Embedded Computing
Unit Co-ordinator: A/PROF PHILIP LEONG
The Definitive Guide to the ARM Cortex-M3

ELEC3610/5743 – E-Business Analysis and Design
Unit Co-ordinator: DR ABELARDO PARDO
Lecturer: DR DECLER HAGUE