# SECOND SEMESTER BOOKLIST 2008

**ELEC5101 – Antennas and Propagation**  
*Unit Co-ordinator: PROFESSOR BRANKA VUCETIC*  
*Lecturer: PROF GODFREY LUCAS*

**Antennas**  
RECOMMENDED TEXT  
John D Kraus  

**Antenna Theory and Design**  
RECOMMENDED TEXT  
Warren L Stutzman and Gary A Thiele  

**The Services Textbook of Radio**  
RECOMMENDED TEXT  
Glazier and Lamont (a very old book and very hard to obtain)

**Advanced Engineering Electromagnetics**  
RECOMMENDED  
CA Balanis

**Electromagnetics**  
RECOMMENDED  
John D Kraus  

**Radio Astronomy**  
RECOMMENDED  
John D Kraus

**Microwave Antenna Theory and Design**  
RECOMMENDED  
Samuel Silver  
(McGraw-Hill)

**Modern Methods of Reflector Antenna Analysis and Design**  
RECOMMENDED  
Craig Scott  
(Artech House)

**ELEC5203 – Topics in Power Engineering**  
*Unit Co-ordinator: PROF VASSILIOS AGELIDIS*  
Notes on web.

**ELEC5303 – Computer Control System Design**  
*Unit Co-ordinator: DR YASH SHRIVASTAVA*  
*Lecturer: DR FRANK MOISIADIS*

**Computer Controlled System: Theory and Design**  
TEXT  
Astrom and Wittenmark  
(Prentice Hall), 3rd Edition

**ELEC5510 – Satellite Communications Systems**  
*Unit Co-ordinator: PROFESSOR BRANKA VUCETIC*  
Lecture Notes.

**Satellite Communications: Mobile and Fixed Services**  
RECOMMENDED  
Miller, MJ, Vucetic, B, Berry, L  

**Satellite Communications**  
RECOMMENDED  
Dennis Roddy  

**Digital Communications by Satellite**  
RECOMMENDED  
Bhargava, V., et al  
(Wiley & Sons), 1981.

**Satellite Communication Systems**  
RECOMMENDED  
Evans, BG  
(Peregrinus), 1987.

**Digital Communications – Satellite/Earth Station Engineering**  
RECOMMENDED  
Feher, K  
(Prentice Hall), 1981.

**Introduction to Satellite Communication**  
RECOMMENDED  
Elbert, BR  
(Artech House), 1999.

**Satellite Communications Systems**  
RECOMMENDED  
Maral, G and Bousquet, M  
(Wiley), 1998.

**ELEC5512 – Optical Networks**  
*Unit Co-ordinator: A/PROF JAVID ATAI*  
**Optical Networks: A practical perspective**  
TEXT  
Ramaswami and Sivarajan  

**ELEC5514 – Network Embedded Systems**  
*Unit Co-ordinator: PROF BRANKA VUCETIC*  
*Lecturers: DR ATHANASSIOS BOULIS, DR ZIHUAI LIN*

**Principle of Embedded Network Design**  
TEXT  
Pottie and Kaiser  
(Cambridge University Press), Fall 2004.

**ELEC5614 – Real Time Computing**  
*Unit Co-ordinator: A/PROF DAVE LEVY*  
No text.

**Real-Time Systems and Programming Languages**  
RECOMMENDED  
Burns A and Wellings A  

**Real-time Systems: Design Principles for Distributed Embedded Applications**  
RECOMMENDED  
Kopetz  
(Kluwer Academic Kap)

**ELEC5619 – Object Oriented Application Frameworks**  
*Unit Co-ordinator: DR RAFAEL CALVO*  
No text.

**Spring in Action**  
RECOMMENDED  
C Walls and R Breidenbach  
(Manning Publications)
ELEC5701 – Commercial Engineering Practice

Unit Co-ordinator: A/PROF STEVE SIMPSON
Lecturer: MR A YAPOU DJIAN

Management for Engineers
Danny Sampson

Getting To Yes
Roger Fisher, William Ury and Bruce Patton

Information Technology Project Management
Kathy Schwalbe