955EE Bachelor of Engineering (Electrical) and Bachelor of Commerce

Year and Campus:	2011 - Parkville
CRICOS Code:	009724B
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	500 credit points taken over 60 months full time. This course is available as full or part time.
Coordinator:	Prof.Ampalavanapillai Nirmalathas
Contact:	Melbourne School of Engineering **courseinfo@eng.unimelb.edu.au (mailto:courseinfo@eng.unimelb.edu.au)** **http://www.eng.unimelb.edu.au (http://www.eng.unimelb.edu.au)**
Course Overview:	**THE COURSE STRUCTURE BELOW ONLY APPLIES TO RE-ENROLLING STUDENTS WHO COMMENCED THEIR STUDIES PRIOR TO 2008** The course structure below represents the core content for the Electrical Engineering specialisation within the BE (Engineering Management) degree. All students should check that they have taken the listed subjects, or equivalent. When setting the timetable every effort will be made to avoid clashes between the times of classes associated with these sets of subjects. Students should be aware however, that if it proves to be impossible to achieve a timetable without clashes in these sets of subjects, the Faculty reserves the right to modify course structures in order to eliminate the conflicts. Students will be advised during the enrolment period of the semester if the recommended courses need to be varied.
Objectives:	Completing the Electrical Engineering Management degree will enable students to rigorously integrate the mathematics of signals, systems and information with the science of electrical phenomena, in the formulation and solution of problems in areas such as telecommunications, monitoring and automation, energy distribution, and digital computing. We aim to develop: scientific understanding of electrical phenomena as a basis for mathematical modelling and abstraction in analysis and design; problem-solving and design skills; the ability to construct simulations and laboratory experiments; and good communication skills.
Course Structure & Available Subjects:	Please see course overview
Subject Options:	THERE IS NO FURTHER ENTRY INTO THIS COURSE Note:Students who commenced fourth year (the final year of course) in 2010 and have not completed (or who have failed) the fourth year subjects required in the Bachelor of Engineering degree please see a course adviser.

Final year

Subject	Study Period Commencement:	Credit Points:
ELEN90067 Electrical Engineering Capstone Project	Year Long, Semester 1	25

Four units from the Final year Electrical Engineering electives (50 points in total)
Subject from other degree as required 25 points
The selection of the elective subjects may be restricted by pre-requisite requirements and not allowed subjects.

Final Year Electrical Engineering Electives

Subject	Study Period Commencement:	Credit Points:
ELEN90051 Advanced Communication Systems	Semester 1	12.50
ELEN90052 Advanced Signal Processing	Semester 1	12.50

	ELEN90064 Advanced Control Systems	Semester 2	12.50
	ELEN90053 Electronic System Design	Semester 2	12.50
	ELEN90059 Lightwave Systems	Semester 1	12.50
	ELEN90061 Communication Networks	Semester 2	12.50
	ELEN90062 High Speed Electronics	Semester 2	12.50

ELEN90007 Wireless Communication Systems (../../view/2011/ELEN90007) (12.5 points) Semester 2

Entry Requirements:	There will be no further entry into this course.
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Further Study:	On completion of a Bachelor of Engineering, students may choose to apply for candidature in a masters by research or PhD degree. They may also apply to undertake an a one year Advanced Masters coursework degree.
Graduate Attributes:	The Bachelor of Engineering is a professional degree. Graduates can obtain professional recognition by joining Engineers Australia who has accredited these programs.The Bachelor of Engineering also delivers on the University graduate attribute
Generic Skills:	An Engineering graduate has a unique skill set comprising a blend of technical, business and interpersonal skills. Upon completion of the Bachelor of Engineering at the University of Melbourne, students will have strong analytical skills, the ability to lead teams and projects and the creativity to look at problems in a way that provides innovative solutions. Our graduates are known for their high standards and professionalism, their understanding of global issues and their outstanding communication skills. For details, see “Objectives”.