

352EE Master of Engineering Science (Electrical and Electronic)

Year and Campus:	2010 - Parkville																																						
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																																						
Level:	Research Higher Degree																																						
Duration & Credit Points:	Students are expected to complete this research in 1.50 years full time, or equivalent part time. Credit Points: 150																																						
Coordinator:	Dept of Electrical & Electronic Engineering, Postgrad Research Programs Director Associate Professor Margreta Kuijper E: mkuijper@unimelb.edu.au																																						
Contact:	Melbourne School of Engineering Building 173, Grattan Street The University of Melbourne VIC 3010 Australia General telephone enquiries + 61 3 8344 6703 + 61 3 8344 6507 Facsimiles + 61 3 9349 2182 + 61 3 8344 7707 Email eng-info@unimelb.edu.au (mailto:eng-info@unimelb.edu.au)																																						
Course Overview:	Research Masters degrees seek to develop graduates who have a capacity for defining and managing a research project characterised by originality and independence. Their training equips them for more sustained and original work at the doctoral level or for applied research positions in a wide variety of contexts.																																						
Objectives:	-																																						
Course Structure & Available Subjects:	-																																						
Subject Options:	<p>All students are required to complete a minimum of two subjects and a maximum of four subjects. A minimum of two subjects must be selected from the core subjects detailed below. The actual content of these subjects may change from year to year.</p> <p>Core Subjects</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ELEN90017 Advanced Studies 1 (Electrical)</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>ELEN90018 Advanced Studies 2 (Electrical)</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>431-660 Advanced Studies 3</td> <td>Not offered 2010</td> <td></td> </tr> <tr> <td>431-661 Advanced Studies 4</td> <td>Not offered 2010</td> <td></td> </tr> <tr> <td>431-681 Quantum Opto-electronics</td> <td>Not offered 2010</td> <td>12.50</td> </tr> <tr> <td>ELEN90023 Lightwave Devices and Systems</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>431-683 Wireless Systems</td> <td>Not offered 2010</td> <td>12.50</td> </tr> <tr> <td>431-684 Communication Network Standards/Protocol</td> <td>Not offered 2010</td> <td>12.50</td> </tr> <tr> <td>431-685 Introduction to Optimisation</td> <td>Not offered 2010</td> <td>12.50</td> </tr> <tr> <td>ELEN90027 Linear Systems Theory</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>431-687 Nonlinear Systems Theory</td> <td>Not offered 2010</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	ELEN90017 Advanced Studies 1 (Electrical)	Semester 1	12.50	ELEN90018 Advanced Studies 2 (Electrical)	Semester 2	12.50	431-660 Advanced Studies 3	Not offered 2010		431-661 Advanced Studies 4	Not offered 2010		431-681 Quantum Opto-electronics	Not offered 2010	12.50	ELEN90023 Lightwave Devices and Systems	Semester 1	12.50	431-683 Wireless Systems	Not offered 2010	12.50	431-684 Communication Network Standards/Protocol	Not offered 2010	12.50	431-685 Introduction to Optimisation	Not offered 2010	12.50	ELEN90027 Linear Systems Theory	Semester 1	12.50	431-687 Nonlinear Systems Theory	Not offered 2010	12.50
Subject	Study Period Commencement:	Credit Points:																																					
ELEN90017 Advanced Studies 1 (Electrical)	Semester 1	12.50																																					
ELEN90018 Advanced Studies 2 (Electrical)	Semester 2	12.50																																					
431-660 Advanced Studies 3	Not offered 2010																																						
431-661 Advanced Studies 4	Not offered 2010																																						
431-681 Quantum Opto-electronics	Not offered 2010	12.50																																					
ELEN90023 Lightwave Devices and Systems	Semester 1	12.50																																					
431-683 Wireless Systems	Not offered 2010	12.50																																					
431-684 Communication Network Standards/Protocol	Not offered 2010	12.50																																					
431-685 Introduction to Optimisation	Not offered 2010	12.50																																					
ELEN90027 Linear Systems Theory	Semester 1	12.50																																					
431-687 Nonlinear Systems Theory	Not offered 2010	12.50																																					

	ELEN90029 Statistical Signal Processing	Semester 2	12.50
	431-689 Information Theory	Not offered 2010	12.50
	ELEN90031 Advanced Topics in Communications	Semester 2	12.50
	431-691 Advanced Topics in Signals and Systems	Not offered 2010	12.50
	431-692 Advanced Topics in Photonics	Not offered 2010	12.50
	BMEN90004 Advanced Neural Information Processing	Semester 1	12.50
Entry Requirements:	There will be no further entry into this course from 2010.		
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/		
Graduate Attributes:	The Melbourne School of Engineering has mapped the University of Melbourne graduate attributes with Engineers Australia graduate attributes and Melbourne School of Engineering graduate attributes.		
Notes:	<p>If a student does not have sufficient background in the core subjects, they may be required by the research studies committee to take preliminary undergraduate subjects. Undergraduate preliminary subjects will not count towards the postgraduate level coursework requirement.</p> <p>Subjects from other departments may be selected in consultation with the supervisor and the Department concerned and are subject to the written approval of the Head of Department.</p> <p>All Masters (by Research) students are required to attend a minimum of 15 seminars over the period of their candidature.</p>		