

## ELEN90017 Advanced Studies 1 (Electrical)

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2011, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 36 hours of lectures, directed reading, tutorials and project work; Non-contact time commitment: 84 hours Total Time Commitment: 120 hours
<b>Prerequisites:</b>	# Enrolment in a research higher degree(Masters or PhD) in Engineering; # To be determined in consultation with the lecturer.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	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: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>
<b>Contact:</b>	Email: <a href="mailto:elen-subjectenquiry@unimelb.edu.au">elen-subjectenquiry@unimelb.edu.au</a> (mailto:elen-subjectenquiry@unimelb.edu.au) ( <a href="http://eng-unimelb.custhelp.com/">http://eng-unimelb.custhelp.com/</a> )
<b>Subject Overview:</b>	The content of this subject will change from year to year. The subject will be used to present new research oriented topics in electrical engineering. This subject may not be offered every year.  Students are informed of the topics covered by Advanced Studies subjects prior to the commencement of the semester.
<b>Objectives:</b>	On completion of this subject, the student should have: # An intermediate level of knowledge of a particular research topic in electrical engineering.
<b>Assessment:</b>	To be announced at the beginning of the semester.
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	This subject is not available as a breadth subject.
<b>Fees Information:</b>	Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>
<b>Generic Skills:</b>	# Ability to apply knowledge of basic science and engineering fundamentals; # In-depth technical competence in at least one engineering discipline; # Ability to undertake problem identification, formulation and solution; # Ability to utilise a systems approach to design and operational performance; # Expectation of the need to undertake lifelong learning, capacity to do so; # Capacity for independent critical thought, rational inquiry and self-directed learning; # Intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research activity; # Openness to new ideas and unconventional critiques of received wisdom;

	# Profound respect for truth and intellectual integrity, and for the ethics of scholarship
<b>Related Course(s):</b>	Master of Engineering Science (Electrical and Electronic) Master of Philosophy - Engineering Ph.D.- Engineering