ELEN40012 Project Work

Credit Points:	25
Level:	4 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Two days per week for 12 weeks Total Time Commitment: 300 hours
Prerequisites:	Completion of third year of standard electrical engineering or computer engineering course, including 431-330 Design Laboratory.
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
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/
Coordinator:	Assoc Prof Erik Weyer
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Subject Overview:	On completion of this subject students should have acquired practical design and research skills related to professional practice in electrical and electronic engineering and computing, and have demonstrated the ability to work in a small team under broad project guidelines and to successfully achieve the agreed project goals. Projects will be undertaken under the supervision of a member of academic staff of the department or while on an exchange program. Projects will require activities related to design, implementation and testing of electrical, electronic or computing systems with associated literature reviews, computing and workbench activities. A project list will be provided by the department. Students are encouraged to submit their own project proposals for consideration by the department. A number of project proposals are also solicited from local industry. Project management and reporting will comprise a significant part of all projects. Students will be expected to keep a laboratory notebook recording their contributions to the project.
Objectives:	See subject overview
Assessment:	For project carried out in the first semester the final project mark will be determined using the following assessment components: Preliminary written report towards the end of semester

	1, worth 20%;Oral presentation and examination towards the end of semester 1, worth 25%; Overall project achievement, including a final written report due at the end of semester 1, worth 55%. For project carried out in the second semester the final project mark will be determined using the following assessment components: Preliminary written report towards the end of semester 2, worth 20%; Oral presentation and examination towards the end of semester 2, worth 20%; Endeavour presentation towards the end of semester 2, worth 10% Overall project achievement, including a final written report due at the end of semester 2, worth 50%.
Prescribed Texts:	None
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	# Ability to apply knowledge of basic science and engineering fundamentals # Ability to communicate effectively, not only with engineers but also with the community at large # Ability to undertake problem identification, formulation and solution # Ability to function effectively as an individual and in multi-disciplinary and multi-cultural teams, with the capacity to be a leader or manager as well as an effective team member # Understanding of professional and ethical responsibilities and commitment to them # 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 # International awareness and openness to the world, based on understanding and appreciation of social and cultural diversity and respect for individual human rights and dignity