ELEN40001 Project Work

Credit Points:	25
Level:	4 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Year Long, Parkville - Taught on campus.
Time Commitment:	Contact Hours: One day per week for 24 weeks Total Time Commitment: 300 hours
Prerequisites:	Completion of third year of standard electrical engineering or computer engineering course, including 431-330 Design Laboratory, or 436-387 Cellular and Tissue Biomechanics.
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
Contact:	Melbourne School of Engineering Office 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)**
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. 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. At the end of the year, students will present their projects on Project Day, which will be open to staff, students and their invitees.
Objectives:	See subject overview
Assessment:	The final project mark will be determined using the following assessment components: Preliminary written report (typically not exceeding 100 pages including appendices,

	diagrams, table, graphs and computer output) 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 (not exceeding 100 pages including appendices, diagrams, tables, graphs and computer output) 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
Related Course(s):	Bachelor of Engineering (Biomedical)Biosignals Bachelor of Engineering (Computer Engineering) Bachelor of Engineering (Computer) and Bachelor of Arts Bachelor of Engineering (Electrical Engineering) Bachelor of Engineering (Electrical) and Bachelor of Arts Bachelor of Engineering (Electrical) and Bachelor of Commerce Bachelor of Engineering (Electrical) and Bachelor of Laws Bachelor of Engineering (EngineeringManagement) Computer Bachelor of Engineering (EngineeringManagement) Electrical Bachelor of Engineering (IT) Computer Engineering Bachelor of Engineering (IT) Electrical Engineering