

## 431-400 Project Work

<b>Credit Points:</b>	25.000
<b>Level:</b>	Undergraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: , - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: One day per week for 12 weeks Total Time Commitment: Not available
<b>Prerequisites:</b>	Completion of third year of standard electrical engineering or computer engineering course, including 431-330 Design Laboratory, or 436-387 Cellular and Tissue Biomechanics.
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	<p>&lt;p&gt;For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry.&lt;/p&gt;         &lt;p&gt;It is University policy to take all reasonable steps to minimise the impact of disability upon academic study, and reasonable adjustments will be made to enhance a student's participation in the University's programs. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p>
<b>Subject Overview:</b>	<p>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.</p> <p>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.</p>
<b>Assessment:</b>	Submission for examination of laboratory notebooks, and of group project reports not exceeding 100 pages including appendices, diagrams, tables, graphs and computer output (80%). Oral presentation and demonstration of project results (20%).
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	Information Not Available
<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>	<ul style="list-style-type: none"> <li># ability to apply knowledge of basic science and engineering fundamentals</li> <li># ability to communicate effectively, not only with engineers but also with the community at large</li> </ul>

	<ul style="list-style-type: none"> <li># ability to undertake problem identification, formulation and solution</li> <li># 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</li> <li># understanding of professional and ethical responsibilities and commitment to them</li> <li># expectation of the need to undertake lifelong learning, capacity to do so</li> <li># capacity for independent critical thought, rational inquiry and self-directed learning</li> <li># intellectual curiosity and creativity, including understanding of the philosophical and methodological bases of research activity</li> <li># openness to new ideas and unconventional critiques of received wisdom</li> <li># 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</li> </ul>
<b>Related Course(s):</b>	<p>           Bachelor of Engineering (Biomedical)Biosignals            Bachelor of Engineering (Computer Engineering)            Bachelor of Engineering (Electrical Engineering)            Bachelor of Engineering (EngineeringManagement) Computer            Bachelor of Engineering (EngineeringManagement) Electrical         </p>