

GEOM40005 Professional and Business Studies

Credit Points:	12.50
Level:	4 (Undergraduate)
Dates & Locations:	2010, Parkville This subject commences in the following study period/s: Semester 1, Parkville - Taught on campus.
Time Commitment:	Contact Hours: Forty-eight hours of lectures, tutorials and practical exercises. Total Time Commitment: Not available
Prerequisites:	None
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:	Prof Ian D. Bishop
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Subject Overview:	This subject will comprise two components. Part A: Part A covers the functions and responsibilities of the professional engineer and professional surveyor within society. This involves a series of lectures on: professional ethics, the role of the public, private and academic sectors within engineering, and particularly within geomatics, professional organisations within surveying and geomatics disciplines at national regional and global scales and career development and resume writing. Part B: This part covers business management, with a focus on surveying and geomatics-related businesses. This includes the particular areas of: setting up a business, time and resource management, financial management, leadership, success and goal setting, strategic planning, marketing, network techniques for planning, quality management and occupational health and safety. This should enable students to gain a good understanding of what is involved in setting up and running a business, as well as managing resources including time and people, at any level within a company.
Objectives:	Upon completion of this subject students should have: # An understanding of the role of a geomatics engineering professional within society.

Assessment:	Part A:One joint written assignment of no more than 4000 words (25%).One joint oral presentation equivalent to 2000 words (10%). Five individual written class summaries of no more than one page (1% each - 5%).Individual written summary of oral presentations (2.5%).Part B: One joint written assignment of no more than 4000 words (25%).One joint oral presentation equivalent to 2000 words (10%). Two individual written assignments of no more than 1000 words each (7.5% each - 15%). Five individual written class summaries of no more than one page (1% each - 5%). Individual written summary of the oral presentations (2.5%).
Prescribed Texts:	None
Recommended Texts:	Information Not Available
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:	<p>On completion of the subject students should:</p> <ul style="list-style-type: none"> # 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 # In-depth technical competence in at least ne engineering discipline # Ability to undertake problem identification, formulation and solution # Ability to utilise a systems approach to design and operational performance # 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 the principles of sustainable design and development # Understanding of professional and ethical responsibilities and commitment to them # Expectation of the need to undertake lifelong learning, capacity to do so # Ccapacity 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
Related Course(s):	<p>Bachelor of Geographic Information Technology Bachelor of Geomatic Engineering Bachelor of Geomatic Engineering & Bach of Planning & Design(Prop&Const) Bachelor of Geomatic Engineering and Bachelor of Arts Bachelor of Geomatic Engineering and Bachelor of Information Systems Bachelor of Geomatic Engineering and Bachelor of Science</p>