GEOM90035 Residential Land Development

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2014.
Time Commitment:	Contact Hours: 48 hours per semester (Lectures: 24 hours, Lab exercises: 24 hours) Total Time Commitment: 200 hours
Prerequisites:	Successful completion of the following subject is required to enrol:

Subject	Study Period Commencement:	Credit Points:
GEOM90041 Cadastral Surveying	Semester 2	12.50

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 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. 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: http://services.unimelb.edu.au/disability
Contact:	Associate Professor Allison Keally **a.kealy@unimelb.edu.au (mailto:a.kealy@unimelb.edu.au)**
Subject Overview:	**AIMS** In this subject students will learn about the land development process, residential subdivision design requirements in Victoria, the subdivision design process, energy efficient subdivisions, planning legislation and environmental controls; the preparation of plans of subdivision and association documentation; and the use of computer-aided design and drafting techniques. This subject is core to students considering a career as a licensed cadastral surveyor and is a requirement for accreditation by the Surveyors Registration Board in Victoria. It builds specifically on the knowledge of GEOM90041 Cadastral Surveying and ABPL90041 Property Law, and complements other subjects in the geomatics specialization of the ME (Geomatics). **INDICATIVE CONTENT** Land development process, residential subdivision design requirements in Victoria, the subdivision design process, energy efficient subdivisions, planning legislation and environmental controls; the preparation of plans of subdivision.
Learning Outcomes:	**INTENDED LEARNING OUTCOMES (ILO)** Having completed this unit the student is expected to: 1 Describe the process of residential subdivision and prepare the corresponding documentation; 2 Demonstrate the preparation of plans of subdivisions with computers; 3 Design a cadastral survey for a residential subdivision.

Assessment:	A practical assigment with three components due at monthly intervals during the semester. Component 1 - equivalent of 1000 words (20%). Associated with Intended Learning Outcome (ILO) 1; Component 2 - equivalent of 2500 words (50%) (ILOs 2 & 3); Component 3 - equivalent of 1500 words (30%) (ILOs 2 & 3).
Prescribed Texts:	TBA
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:	# Abilty to undertake problem identification, formulation and solutions; # Understanding of social, cultural, global and environmental responsibilities and the need to employ principles of sustainable development; # Ability to communicate effectively with the engineering team and with the community at large; # Ability to function effectively as an individual and in multidisciplinary and multicultural teams, as a team leader or manager as well as an effective team member.
Notes:	**LEARNING AND TEACHING METHODS** This subject is delivered through a combination of presentations and practical exercises which have been integrated to complement each other. Presentations are used to communicate the necessary theoretical concepts which are then reinforced through the field practical exercise. A major field exercise with three distinct reporting components to be submitted throughout the semester are designed to synthesise the practical, technical and theoretical knowledge required to undertake the different types of land subdivisions in Victoria. **INDICATIVE KEY LEARNING RESOURCES** Example plans of land subdivision can be found here **http://www.dse.vic.gov.au/property-titles-and-maps/land-titles-home/plans-of-subdivision-and-consolidation#PSExamples**. Information of the Australian Land Subdivision Act can be found here **http://www.dpcd.vic.gov.au/planning/theplanningsystem/legislation-and-regulations/subdivision-act (http://www.dpcd.vic.gov.au/planning/theplanningsystem/legislation-and-regulations/subdivision-act)** **CAREERS / INDUSTRY LINKS** The subject material is delivered by an industry expert with experience in undertaking land subdivisions under the Australian land sub division act.
Related Course(s):	Master of Philosophy - Engineering Ph.D.- Engineering
Related Majors/Minors/ Specialisations:	Master of Engineering (Geomatics)