451-418 Land Administration

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - 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 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
Coordinator:	Assoc Prof Abbas Rajabifard
Subject Overview:	Upon completion of this subject students should understand the need for effective and efficient land administration systems and their relationship to spatial data infrastructures (SDIs); be able to review a variety of technologies for designing and managing these systems; be able to understand and analyse local and overseas approaches to land administration and SDIs in both developed and developing country contexts and be able to relate these systems to sustainable development. Topics covered include the concept of land; people's relationships to land; evolution of cadastres and land administration systems, land administration projects as a development strategy for economic growth and poverty reduction; the cadastral concept; legal, fiscal, multi-purpose and marine cadastres; cadastral surveying and mapping - boundary options and technical options; principles and concepts of land registration; rights, restrictions and responsibilities related to land and in the context of informal and formal tenures; cadastral systems in developing countries including informal cadastres, parallel cadastres, marine cadastres and customary tenures; international declarations and statements concerned with land administration; cadastral reform; land administration 'tool box'; institutional arrangements supporting land administration; spatial data infrastructures - principles, issues and challenges; digital cadastral data bases; modelling, designing and evaluating cadastral and land administration systems; land markets and their relationship to planning, valuation and cadastres; access to land information; land administration and spatial information systems in Victoria and associated government policy; the role of licensed cadastral surveyors.
Assessment:	One 3-hour written examination at the end of semester (50%). A 4000-word major project report (20%). Group presentation of the major report (20%). Mini assignments (10%).
Prescribed Texts:	Williamson, I.P, Enemark, S. and Wallace, J. (2006), Sustainability and Land Administration Systems, Geomatics, The University of Melbourne, Melbourne Australia.

Recommended Texts:	Rajabifard, A. (2007), Towards a Spatially Enabled Society, University of Melbourne
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 • in-depth technical competence in at least one 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 social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development • understanding of the principles of sustainable design and development • understanding of professional and ethical responsibilities and commitment to them • 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 • respect for truth and intellectual integrity, and for the ethics of scholarship • 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 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 Diploma in Geographic Information Systems