# GEOM30013 Land Administration Systems

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| **Credit Points:** | 12.50 |
| **Level:** | 3 (Undergraduate) |
| **Dates & Locations:** | 2012, Parkville<br>This subject commences in the following study period/s:<br>Semester 2, Parkville - Taught on campus. |
| **Time Commitment:** | Contact Hours: 48 hours per semester (Lectures: 24 hrs, Projects & Lab exercises: 24 hrs) Total Time Commitment: 120 hours |
| **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: <a href="http://services.unimelb.edu.au/disability">http://services.unimelb.edu.au/disability</a> |
| **Coordinator:** | Dr Mohsen Kalantari Soltanieh |
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| **Subject Overview:** | Land Administration Systems introduces different approaches and systems to manage the legal, fiscal and administrative relationships to land. Topics covered include the concept of land; evolution of cadastres and land administration systems; land administration as a development strategy for economic growth and poverty reduction; the cadastral concept and legal, fiscal, multi-purpose and marine cadastres; cadastral surveying and mapping; land registration; rights, restrictions and responsibilities related to land in the context of informal, formal and customary tenures; cadastral systems in developing countries including informal cadastres, parallel cadastres, marine cadastres and customary tenures; relevant international declarations and statements concerned with land administration; cadastral reform; land administration 'tool box'; institutional arrangements supporting land administration; spatial data infrastructures; digital cadastral databases; modelling, designing and evaluating cadastral and land administration systems; land markets and their relationship to planning, valuation and cadastre; access to land information; land administration and spatial information systems |
| **Objectives:** | Upon completion of this subject students will have the ability to:<br># Discuss the need for effective and efficient land administration systems and spatial data infrastructures (SDIs)<br># Review a variety of technologies for designing and managing these systems<br># Analyse a range of local and overseas approached to land administration in both developed and developing country contexts for sustainable development |
| **Assessment:** | One 3-hr examination, end of semester (50%) A Major Project (3000 words), end of semester (30%) An Oral Group Presentation (30 mins), end of semester (10%) Tutorial Assignment, early in semester (10%) |

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| **Prescribed Texts:** | Land Administration for Sustainable Development, (Williamson, Enemark, Wallace & Rajabifard), 2010 |
| **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 undertake problem identification, formulation and solution<br># Understanding of social, cultural, global, and environmenta responsibilities and the need to emply principles of sustainable development<br># Ability to communicate effectively, with the engineering team and with the community at large<br># Ability to manage information and documentation |
| **Related Majors/Minors/ Specialisations:** | Environments Discipline subjects<br>Geomatics<br>Geomatics (Geomatic Engineering) major<br>Master of Engineering (Geomatics)<br>Physical (Environmental Engineering) Systems major<br>Science-credited subjects - new generation B-SCI and B-ENG. Core selective subjects for B-BMED. |
| **Related Breadth Track(s):** | Understanding Location |