451-609 Remote Sensing

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
Time Commitment:	Contact Hours: 48 hours of lectures and practical exercises; Non-contact time commitment: 96 hours 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:	Dr Joseph Henry John Leach
Subject Overview:	Principles of remote sensing; photographic and non-photographic sensors; airborne and space platforms; fundamentals of analogue and digital image analysis; image correction and enhancement; introduction to classification of images. Use of image processing systems. High level digital image processing, correction and classification; applications of remote sensing in the geosciences, engineering, and resource assessment and inventory; image data in geographic information systems. Project based use of image processing systems.
Assessment:	One major project report worth 70%, one minor report worth 10% and one verbal presentation worth (20%).
Prescribed Texts:	None
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:	On successful completion, students should have: # an understanding of the acquisition, processing and uses of remotely sensed data and their application to the solution of resource management problems
Related Course(s):	Graduate Certificate in Geographic Information Systems Graduate Diploma in Geographic Information Systems Graduate Diploma in Geomatics Science Master of Applied Science (Geographic Information Systems) Master of Geographic Information Technology