

GEOM90005 Remote Sensing

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2013.
Time Commitment:	Contact Hours: 48 hours, comprising of 24 hours of lectures and 24 hours of projects & lab exercises Total Time Commitment: 120 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p>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</p></p>
Contact:	Dr Joseph Leach leach@unimelb.edu.au (mailto:leach@unimelb.edu.au)
Subject Overview:	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. Detailed application studies in marine mapping, emergency management, environmental assessment and geological mapping. Project based use of image processing systems
Objectives:	On successful completion students will have the ability to: <ul style="list-style-type: none"> # Describe the acquisition of remotely sensed data # Process remotely sensed data # Discuss the use of remotely sensed data to the solution of resource management problems
Assessment:	Four practical assignment reports approximately one page each, due evenly throughout the semester (40%) One major project of 3000 words due at the end of semester (60%)
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: <ul style="list-style-type: none"> # Ability to apply knowledge of science and engineering fundamentals # Ability to undertake problem identification, formulation, and solution

	<ul style="list-style-type: none"># Ability to communicate effectively, with the engineering team and with the community at large# Ability to manage information and documentation
Related Course(s):	Master of Geographic Information Technology Master of Information Technology Master of Information Technology Master of Information Technology Master of Philosophy - Engineering Master of Spatial Information Science Ph.D.- Engineering Postgraduate Certificate in Engineering
Related Majors/Minors/ Specialisations:	Integrated Water Catchment Management Master of Engineering (Geomatics)