

207-330 GIS and Remote Sensing

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: Twenty-four hours lectures and 36 hours practical work Total Time Commitment: Not available
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>
Coordinator:	Dr Graham Brodie
Subject Overview:	<p>This subject should provide students with an understanding of the principles of geographic information system and remote sensing technologies and their application to urban and rural resource management.</p> <p>The content includes:</p> <ul style="list-style-type: none"> # introduction to database management systems; # introduction to geographic information systems; # global position systems and automatic data acquisition; # integration of conventional data analysis tools with GIS; # passive and active sensing systems; # image processing and interpretation; and # remote sensing for improved resource management.
Assessment:	One 3-hour written examination (50%), two 2500-word assignments (40%) and a practical assignment (10%).
Prescribed Texts:	None
Recommended Texts:	Information Not Available
Breadth Options:	This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008. This subject or an equivalent will be available as breadth in the future.

	Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available. 2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Information Not Available
Notes:	Students enrolled in the BSc (pre-2008 degree), BASc or a combined BSc course will receive science credit for the completion of this subject.
Related Course(s):	Bachelor of Agricultural Science Bachelor of Agricultural Science Bachelor of Architecture and Bachelor of Landscape Architecture Bachelor of Natural Resource Management Bachelor of Natural Resource Management Bachelor of Science Master of Landscape Architecture (Coursework)