

208-615 Fundamentals & Management of GIS

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: 48 hours in a total time commitment of 120 hours 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:	Graham Brodie
Subject Overview:	<p>This subject should introduce students to: information management; a definition of GIS; an overview of the range of GIS applications available for processing and analysing land survey data associated with soil, plants and animals; the use of GIS for decision making; integration of GIS with other technologies; geographic referencing methods; geographic data structures and models; relationships between geographic features; database definition and modelling; introduction to the Information Communication Technologies associated with data collection, manipulation, modelling, analysis, transmission and display; GIS and the Internet; and future trends in GIS.</p> <p>Upon completion of this subject students should understand how information is obtained and used to support decision making in rural environments.</p> <p>Students will need access to computers capable of running ArcExplorer. Generally this will be a PC capable of running the latest version of the Windows Operating system. Students should consult with the subject coordinator to clarify these needs for the latest versions of these software packages before undertaking the subject.</p>
Assessment:	One 3-hour end of semester written examination (50%), plus a Case Study Report (2000 words; 30%) – by week 6 and practical exercise reports (1500 words total; 20%) – by week 12.
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
Related Course(s):	Master of Agricultural Science