

462-SG Master of Applied Science (Geographic Information Systems)

Year and Campus:	2008																																												
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees																																												
Level:	Graduate/Postgraduate																																												
Duration & Credit Points:																																													
Contact:	Department of Geomatics Postgraduate Coordinator Professor Ian Bishop E: ibishop@unimelb.edu.au Faculty of Engineering Manager, Planning & Projects (Academic Programs) Rebecca Randall E: r.randall@unimelb.edu.au																																												
Course Overview:	<p>The Master of Applied Science (GIS) is designed to meet the needs of graduates employed in a variety of disciplines associated with land administration, natural resource management, facility information management, environmental management, urban planning and conservation, and who wish to gain a detailed knowledge of the theory, technology and applications of geographic information systems (GIS) as a subset of the broader discipline of the management of spatial data. Graduates are likely to come from engineering, surveying, geography, planning, environmental science, agriculture and forestry.</p> <p>The coursework component of this award is the same as for the Master of Geographic Information Technology with the addition of a one semester research component 451-650 Investigative Project (50 points). Students may choose relevant GIS-related electives offered by other departments and faculties with written approval from the Course Coordinator.</p>																																												
Objectives:	-																																												
Course Structure & Available Subjects:	-																																												
Subject Options:	<p>Applicants are required to complete 150 points of study. Normally students take 100 points of coursework and the remainder (50 points) by research. This usually breaks down into two- semesters of coursework and one-semester of research.</p> <p>S ubjects available to candidates in the Master of Applied Science (GIS) are as follows:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>121-542 Geographical Analysis and GIS</td> <td>2</td> <td>12.500</td> </tr> <tr> <td>451-607 Land Administration (Masters)</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>451-608 Spatial Analysis (Masters)</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>451-609 Remote Sensing</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>451-610 Fundamentals of GIS</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>451-611 Spatial Visualisation</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>451-612 Research Project GIS</td> <td>Semester 1, Semester 2, Summer</td> <td>12.50</td> </tr> <tr> <td>451-613 Scripting and Programming in GIS</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>451-614 Distributed Spatial Computing</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>451-617 Fundamentals of Positioning Technologies</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>451-624 Management of GIS</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>451-625 Investivative Project</td> <td>Semester 1, Semester 2, Summer</td> <td>25</td> </tr> <tr> <td>451-627 Developing Spatial Data Infrastructure</td> <td>Semester 2</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	121-542 Geographical Analysis and GIS	2	12.500	451-607 Land Administration (Masters)	Semester 1	12.50	451-608 Spatial Analysis (Masters)	Semester 1	12.50	451-609 Remote Sensing	Semester 2	12.50	451-610 Fundamentals of GIS	Semester 1	12.50	451-611 Spatial Visualisation	Semester 2	12.50	451-612 Research Project GIS	Semester 1, Semester 2, Summer	12.50	451-613 Scripting and Programming in GIS	Semester 2	12.50	451-614 Distributed Spatial Computing	Semester 2	12.50	451-617 Fundamentals of Positioning Technologies	Semester 1	12.50	451-624 Management of GIS	Semester 2	12.50	451-625 Investivative Project	Semester 1, Semester 2, Summer	25	451-627 Developing Spatial Data Infrastructure	Semester 2	12.50
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	451-629 Advanced Topics in GIScience	Not offered 2008	12.500
	451-650 Investigative Project	Semester 1, Semester 2, Summer	50
	451-666 Spatial Databases	Semester 1	12.50
	451-665 Spatial Visualisation on line	Semester 2, Summer	12.50
Entry Requirements:	The minimum entry requirement is a four-year undergraduate degree at honours level. Consideration may be given to applicants holding other qualifications and relevant industry experience.		
Core Participation Requirements:	-		
Graduate Attributes:	-		
Generic Skills:	-		
Notes:	<ul style="list-style-type: none"> # students will normally take two units (50 points) of the subject 451-612 Research Project for the MAppSc by coursework and four units (100 points) for the MAppSc by research (taking it over the Summer Semester requires the approval of the course coordinator) # students may also choose relevant GIS-related electives (with approval of the course coordinator) taught by other Departments and Faculties # the right is reserved to cancel any postgraduate 600-level subject if insufficient enrolments are received (in which case alternative arrangements will be made to meet student needs) 		