

Geomatics

Year and Campus:	2010																	
Coordinator:	Stephen Winter Department of Geomatics																	
Contact:	winter@unimelb.edu.au (mailto:winter@unimelb.edu.au)																	
Overview:	.																	
Objectives:	<p>On completion of this course graduates should:</p> <ul style="list-style-type: none"> • have a sound fundamental understanding of the scientific principles underlying technology; • possess a broad knowledge base of their chosen discipline and of other disciplines to facilitate effective communication with those other professionals with whom engineers routinely communicate; • have acquired the mathematical and computational skills necessary for the solution of theoretical and practical problems; • possess analytical, problem-solving and design skills, including those appropriate for sustainable development; • have verbal and written communication skills that enable them to contribute substantially to society; • have acquired a sense of professional ethics and responsibility towards the profession and the community; • have developed the interpersonal and management skills required by engineers in undertaking professional activities; and • be able to enact the social, cultural, global and environmental responsibilities of the professional engineer, and the need for sustainable development. 																	
Structure & Available Subjects:	Completion of 50 points of study at third year level																	
Subject Options:	<p>All four of:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOM30010 Programming Geomatics Applications</td> <td>Semester 1</td> <td>12.50</td> </tr> <tr> <td>GEOM30011 Computational Methods in Geomatics</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>GEOM30012 Integrated Spatial Systems</td> <td>Semester 2</td> <td>12.50</td> </tr> <tr> <td>GEOM30009 Imaging the Environment</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>			Subject	Study Period Commencement:	Credit Points:	GEOM30010 Programming Geomatics Applications	Semester 1	12.50	GEOM30011 Computational Methods in Geomatics	Semester 2	12.50	GEOM30012 Integrated Spatial Systems	Semester 2	12.50	GEOM30009 Imaging the Environment	Semester 1	12.50
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Related Course(s):	Bachelor of Science																	