

GEOM90010 Spatial Information Research Project A

Credit Points:	12.50												
Level:	9 (Graduate/Postgraduate)												
Dates & Locations:	2012, Parkville This subject commences in the following study period/s: Summer Term, Parkville - Taught on campus. Semester 1, Parkville - Taught on campus. Semester 2, Parkville - Taught on campus.												
Time Commitment:	Contact Hours: Contact hours with academic supervisors on request. Total Time Commitment: 120 hours												
Prerequisites:	Successful completion of the following subject is required to enrol: <table border="1" data-bbox="387 607 1485 752"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOM90016 Advanced Topics in GIScience</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	GEOM90016 Advanced Topics in GIScience	Semester 1	12.50						
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GEOM90016 Advanced Topics in GIScience	Semester 1	12.50											
Corequisites:	None												
Recommended Background Knowledge:	Students should have some background knowledge of individual project work and report writing from breadth or capstone subjects												
Non Allowed Subjects:	Credit will not be given for the following subjects: <table border="1" data-bbox="387 954 1485 1301"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOM90020 Spatial Information Research Project</td> <td>Summer Term, Semester 1, Semester 2</td> <td>50</td> </tr> <tr> <td>GEOM90013 Spatial Information Research Project C</td> <td>Summer Term, Semester 1, Semester 2</td> <td>25</td> </tr> <tr> <td>GEOM90031 Spatial Information Research Project D</td> <td>Summer Term, Semester 1, Semester 2</td> <td>25</td> </tr> </tbody> </table>	Subject	Study Period Commencement:	Credit Points:	GEOM90020 Spatial Information Research Project	Summer Term, Semester 1, Semester 2	50	GEOM90013 Spatial Information Research Project C	Summer Term, Semester 1, Semester 2	25	GEOM90031 Spatial Information Research Project D	Summer Term, Semester 1, Semester 2	25
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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:	Prof Stephan Winter												
Contact:	Assoc Prof Stephan Winter winter@unimelb.edu.au (mailto:winter@unimelb.edu.au)												
Subject Overview:	The Spatial Information Research Project is a 50-point individual research project under academic supervision. Reflecting the interdisciplinary character of the course, the student has to find two supervisors; one of them has to be from Geomatics. The project will culminate in a thesis and a poster presentation Students may undertake this project in one semester by enrolling in GEOM90020 Spatial Information Science Research Project (50pts) or stretched over two consecutive semesters by combining either:												

	<p># GEOM90010 Spatial Information Research Project A (12.5pts) and GEOM90023 Spatial Information Research Project B (37.5pts)</p> <p>OR</p> <p># GEOM90013 Spatial Information Research Project C (25pts) and GEOM90031 Spatial Information Research Project D (25pts)</p> <p>These options facilitate some flexibility in the choice of electives that are offered in particular semesters only, however, the approval for this arrangement is completely at the discretion of the supervisors. A project stretched over two semesters is still assessed as a whole at the end of the second component. The thesis and poster presentation have to cover the whole project</p>
Objectives:	<p>On successful completion students will have the ability to:</p> <ul style="list-style-type: none"> # Define a research project in their subject matter # Develop an approach in order to run a research project in their subject matter # Use and develop associated technologies to according to their chosen methodology # Interpret and discuss experimental results with respect to a hypothesis
Assessment:	<p>A project stretched over two semesters is still assessed as a whole at the end of the second component. If this is the second component, then the following applies at the end of the semester. The research project (as a whole) culminates in a thesis, reporting about the addressed research problem, approach, results, and conclusions. The thesis will be assessed by two examiners, both possibly supervisors. At the beginning of the project the supervisor(s) will discuss with the student their expectations on a page or word limit on an individual basis, due to the variety of the characters of research projects in spatial information such as fieldwork, programming, or literature review. Additionally the project outcomes will be presented at a joint poster session. The total mark consists of a 60% component for the report and a 40% component for the poster, the latter assessed in peer review. The total workload of a Spatial Information Research Project is 480 hours.</p>
Prescribed Texts:	None
Recommended 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:	<p>On successful completion students should have:</p> <ul style="list-style-type: none"> # Ability to apply knowledge of science and engineering fundamentals # Ability to undertake problem identification, formulation, and solution # Ability to conduct an engineering project # Capacity for creativity and innovation # Capacity for lifelong learning and professional development
Related Course(s):	<p>Master of Geographic Information Technology</p> <p>Master of Spatial Information Science</p>