

# GEOM90020 Spatial Information Research Project

| <b>Credit Points:</b>                            | 50  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
|--|---|----------------|--|---------|----------------------------|----------------|--|------------------|-------|--|-------------|-------|--|------------------|----|--|-------------------------------------|----|
| <b>Level:</b>                                    | 9 (Graduate/Postgraduate)   |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Dates &amp; Locations:</b>                    | This subject is not offered in 2013.  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Time Commitment:</b>                          | Contact Hours: Weekly contact hours with academic supervisors Total Time Commitment: 480 hours  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Prerequisites:</b>                            | Successful completion of the following subject is required to enrol:  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
|  | <table border="1"> <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>Not offered 2013</td> <td>12.50</td> </tr> </tbody> </table>   |                |  | Subject | Study Period Commencement: | Credit Points: | GEOM90016 Advanced Topics in GIScience           | Not offered 2013 | 12.50 |  |             |       |  |                  |    |  |                                     |    |
| Subject  | Study Period Commencement:  | Credit Points: |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| GEOM90016 Advanced Topics in GIScience           | Not offered 2013  | 12.50          |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Corequisites:</b>                             | None  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Recommended Background Knowledge:</b>         | Students should have some background knowledge of individual project work and report writing from breadth or capstone subjects  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Non Allowed Subjects:</b>                     | Students cannot enrol in and gain credit for this subject and:  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
|  | <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>GEOM90010 Spatial Information Research Project A</td> <td>Not offered 2013</td> <td>12.50</td> </tr> <tr> <td>GEOM90023 Spatial Information Research Project B</td> <td>Winter Term</td> <td>37.50</td> </tr> <tr> <td>GEOM90013 Spatial Information Research Project C</td> <td>Not offered 2013</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: | GEOM90010 Spatial Information Research Project A | Not offered 2013 | 12.50 | GEOM90023 Spatial Information Research Project B | Winter Term | 37.50 | GEOM90013 Spatial Information Research Project C | Not offered 2013 | 25 | GEOM90031 Spatial Information Research Project D | Summer Term, Semester 1, Semester 2 | 25 |
| Subject  | Study Period Commencement:  | Credit Points: |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| GEOM90010 Spatial Information Research Project A | Not offered 2013  | 12.50          |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| GEOM90023 Spatial Information Research Project B | Winter Term   | 37.50          |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| GEOM90013 Spatial Information Research Project C | Not offered 2013  | 25             |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| GEOM90031 Spatial Information Research Project D | Summer Term, Semester 1, Semester 2   | 25             |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Core Participation Requirements:</b>          | <p>&lt;p&gt;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.&lt;/p&gt; &lt;p&gt;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: &lt;a href="http://services.unimelb.edu.au/disability"&gt;http://services.unimelb.edu.au/disability&lt;/a&gt;&lt;/p&gt;</p> |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Contact:</b>                                  | <p>Professor Stephan Winter<br/> <a href="mailto:winter@unimelb.edu.au">winter@unimelb.edu.au</a> (mailto:winter@unimelb.edu.au)</p>  |                |  |         |                            |                |  |                  |       |  |             |       |  |                  |    |  |                                     |    |
| <b>Subject Overview:</b>                         | <p>The Spatial Information Research Project is a 50-point individual research project under academic supervision. Reflecting the interdisciplinary character of the course, the student can choose two supervisors; one of them has to be from Geomatics. The project will culminate in a thesis.</p> <p>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> <p># GEOM90010 Spatial Information Research Project A (12.5pts) and GEOM90023 Spatial Information Research Project B (37.5pts)</p> <p><b>OR</b></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 has to cover the whole project</p>   |
| <b>Objectives:</b>        | <p>On successful completion students will have the ability to:</p> <ul style="list-style-type: none"> <li># Define a research project in their subject matter</li> <li># Develop an approach in order to run a research project in their subject matter</li> <li># Use and develop associated technologies to according to their chosen methodology</li> <li># Interpret and discuss experimental results with respect to a hypothesis</li> </ul>  |
| <b>Assessment:</b>        | <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. The final mark is based on the report worth 100%. The total workload of a Spatial Information Research Project is 480 hours.</p> |
| <b>Prescribed Texts:</b>  | None   |
| <b>Breadth Options:</b>   | This subject is not available as a breadth subject.  |
| <b>Fees Information:</b>  | Subject EFTSL, Level, Discipline & Census Date, <a href="http://enrolment.unimelb.edu.au/fees">http://enrolment.unimelb.edu.au/fees</a>  |
| <b>Generic Skills:</b>    | <p>On successful completion students should have:</p> <ul style="list-style-type: none"> <li># Ability to apply knowledge of science and engineering fundamentals</li> <li># Ability to undertake problem identification, formulation, and solution</li> <li># Ability to conduct an engineering project</li> <li># Capacity for creativity and innovation</li> <li># Capacity for lifelong learning and professional development</li> </ul>   |
| <b>Related Course(s):</b> | Master of Spatial Information Science  |