

# ABPL90374 GeoDesign Models & Applications

| <b>Credit Points:</b>                           | 12.5  |                |                            |                |   |            |    |         |                            |                |   |            |       |
|---|---|----------------|----------------------------|----------------|---|------------|----|---------|----------------------------|----------------|---|------------|-------|
| <b>Level:</b>                                   | 9 (Graduate/Postgraduate)   |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Dates &amp; Locations:</b>                   | This subject is not offered in 2016.  |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Time Commitment:</b>                         | Contact Hours: 3 hours per week Total Time Commitment: 170 Hours  |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Prerequisites:</b>                           | <p>One of the following subjects:</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90170 Landscape Studio 4 Strategies</td> <td>Semester 2</td> <td>25</td> </tr> </tbody> </table> <p>OR</p> <table border="1"> <thead> <tr> <th>Subject</th> <th>Study Period Commencement:</th> <th>Credit Points:</th> </tr> </thead> <tbody> <tr> <td>ABPL90319 GIS In Planning, Design &amp; Development</td> <td>Semester 1</td> <td>12.50</td> </tr> </tbody> </table>  | Subject        | Study Period Commencement: | Credit Points: | ABPL90170 Landscape Studio 4 Strategies | Semester 2 | 25 | Subject | Study Period Commencement: | Credit Points: | ABPL90319 GIS In Planning, Design & Development | Semester 1 | 12.50 |
| Subject   | Study Period Commencement:  | Credit Points: |                            |                |   |            |    |         |                            |                |   |            |       |
| ABPL90170 Landscape Studio 4 Strategies         | Semester 2  | 25             |                            |                |   |            |    |         |                            |                |   |            |       |
| Subject   | Study Period Commencement:  | Credit Points: |                            |                |   |            |    |         |                            |                |   |            |       |
| ABPL90319 GIS In Planning, Design & Development | Semester 1  | 12.50          |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Corequisites:</b>                            | None  |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Recommended Background Knowledge:</b>        | Geographic Information System; Landscape Ecology; Physical Planning; Human Geography.   |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Non Allowed Subjects:</b>                    | None  |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <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><b>The Eastern Precinct (building 138 (<a href="http://maps.unimelb.edu.au/parkville/building/138">http://maps.unimelb.edu.au/parkville/building/138</a>) )</b><br/>                 (between Doug McDonnell building and Eastern Resource Centre)</p> <p><i>Enquiries:</i><br/>                 Current Student: <a href="http://ask.unimelb.edu.au/">http://ask.unimelb.edu.au/</a> (<a href="http://ask.unimelb.edu.au/">http://ask.unimelb.edu.au/</a>) Web: <a href="http://msd.unimelb.edu.au/">http://msd.unimelb.edu.au/</a> (<a href="http://msd.unimelb.edu.au/">http://msd.unimelb.edu.au/</a>)</p>   |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Subject Overview:</b>                        | <p>GeoDesign is an emerging field in which the analytical rigor and methodological strategies of geospatial sciences are being fused with the forward thinking, creativity, and graphic capabilities of landscape architecture, urban planning and design. This subject explores geodesign models and applications. Specifically, the subject will introduce geodesign methods and their practical consequences in the reconfiguration of vision, knowledge, professional practice and embodied experience in geodesign.</p>  |                |                            |                |   |            |    |         |                            |                |   |            |       |
| <b>Learning Outcomes:</b>                       | <ul style="list-style-type: none"> <li># Knowledge of the multidimensional scope and scale of projects to which geodesign can be applied.</li> <li># Awareness of evaluations of specific geodesign model techniques relative to particular environmental and cultural contexts and conditions.</li> <li># Knowledge of geospatially oriented design through the investigation of interdisciplinary methods and the collaborative nature of the geodesign process.</li> <li># Skills to apply geodesign integrating relevant science- or value-based information in a manner that explores alternative solutions from a cross-disciplinary, decision-driven approach.</li> </ul>  |                |                            |                |   |            |    |         |                            |                |   |            |       |

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| <b>Assessment:</b>                                 | A geodesign research project equivalent of 1,000 words, due week 4, 20% A geodesign modelling project equivalent of 1,500 words, due week 8, 30% A final geodesign project equivalent of 2,500 words, due week 12, 50%   |
| <b>Prescribed Texts:</b>                           | C. Steinitz. 2012. A framework for geodesign: Changing geography by design. ESRI Press, Redlands, CA   |
| <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>                             | <ul style="list-style-type: none"> <li># Critical thinking and analysis</li> <li># Information gathering and critical synthesis</li> <li># Comprehension of complex concepts and the ability to express them lucidly in writing</li> <li># Communication of design and planning ideas verbally and graphically</li> <li># Methods of documentation and presentation</li> </ul> |
| <b>Related Course(s):</b>                          | Master of Landscape Architecture<br>Master of Landscape Architecture<br>Master of Urban Design<br>Master of Urban Planning   |
| <b>Related Majors/Minors/<br/>Specialisations:</b> | 200 point Master of Landscape Architecture<br>300 point Master of Landscape Architecture<br>Melbourne School of Design multidisciplinary elective subjects   |