

## EVSC30007 Integrated Landscape Problem Solving

Credit Points:	12.50											
Level:	3 (Undergraduate)											
Dates & Locations:	This subject is not offered in 2014.											
Time Commitment:	Contact Hours: 24-hours of lectures and 24-hours of practical classes Total Time Commitment: Not available											
Prerequisites:	<p>Students must complete ECOL20003 Ecology and ENVS10001 Natural Environments, plus 50 points of 200 level studies in Bachelor of Environments.</p> <table><tr><th>Subject</th><th>Study Period Commencement:</th><th>Credit Points:</th></tr><tr><td>ECOL20003 Ecology</td><td>Semester 2</td><td>12.50</td></tr><tr><td>ENVS10001 Natural Environments</td><td>Semester 1, Semester 2</td><td>12.50</td></tr></table>			Subject	Study Period Commencement:	Credit Points:	ECOL20003 Ecology	Semester 2	12.50	ENVS10001 Natural Environments	Semester 1, Semester 2	12.50
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ECOL20003 Ecology	Semester 2	12.50										
ENVS10001 Natural Environments	Semester 1, Semester 2	12.50										
Corequisites:	None											
Recommended Background Knowledge:	Students will need to acquaint themselves with project management techniques, scientific communication strategies (written and verbal) and various techniques of resource assessment.											
Non Allowed Subjects:	None											
Core Participation Requirements:	For the purposes of considering request for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: <a href="http://www.services.unimelb.edu.au/disability/">http://www.services.unimelb.edu.au/disability/</a>											
Contact:	<p><b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land &amp; Food Resources (building 142)</p> <p><i>Enquiries</i> Phone: 13 MELB (13 6352) Email: <a href="mailto:13MELB@unimelb.edu.au">13MELB@unimelb.edu.au</a> (<a href="mailto:13MELB@unimelb.edu.au">mailto:13MELB@unimelb.edu.au</a>)</p>											
Subject Overview:	<p>Solutions to environmental dilemmas that face us in the 21st century require an integrated multi-disciplinary approach. This subject, delivered in the final semester of the Bachelor of Environments, provides a basis for students to integrate and apply the knowledge they have gained throughout their studies in different disciplines to solve real world problems. Students will research current local, national and international cases using a problem based approach to develop planning, management, data acquisition and analysis, and knowledge transfer skills.</p> <p>The subject will be structured around a project in which students will work in teams to assess and plan management approaches for problems associated with an urban or rural landscape. The subject will allow students to explore real problems under the guidance of academic staff and industry representatives. The project will be structured to emphasize ecological, social, spatial, temporal and economic interactions, and to provide opportunities to explore the ways spatial data can support the observation and management of these interactions.</p> <p>Groups will be allocated one of the University of Melbourne's properties (Parkville, Creswick, Dookie, and Point Nepean), public lands closer to Melbourne or private properties where appropriate access can be arranged. These locations will be used as study sites for the group's project.</p>											
Learning Outcomes:	Groups will be required to:											

	<ul style="list-style-type: none"> <li># Access, collect, organize and present data in ways that support landscape management planning.</li> </ul> <p>Based on this, develop a strategic development plan to:</p> <ul style="list-style-type: none"> <li># Enhance the ecological, economic and social value of the site;</li> <li># identify any major challenges being faced by the site;</li> <li># propose potential solutions to these challenges; and</li> <li># communicate this plan effectively primarily using spatial formats.</li> </ul>
<b>Assessment:</b>	One project proposal, 1000 words (30%). One project report, 1500 words (40%). One project evaluation report, 500 words (10%). 15 minute project seminar (20%).
<b>Prescribed Texts:</b>	None
<b>Breadth Options:</b>	<p>This subject potentially can be taken as a breadth subject component for the following courses:</p> <ul style="list-style-type: none"> <li># <b>Bachelor of Arts</b> (<a href="https://handbook.unimelb.edu.au/view/2014/B-ARTS">https://handbook.unimelb.edu.au/view/2014/B-ARTS</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2014/B-MUS">https://handbook.unimelb.edu.au/view/2014/B-MUS</a>)</li> </ul> <p>You should visit <b>learn more about breadth subjects</b> (<a href="http://breadth.unimelb.edu.au/breadth/info/index.html">http://breadth.unimelb.edu.au/breadth/info/index.html</a>) and read the breadth requirements for your degree, and should discuss your choice with your student adviser, before deciding on your subjects.</p>
<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># Approach problems in a practical and pragmatic manner, with a view to achieving the desired outcomes.</li> <li># Express ideas coherently and logically through written and verbal communications.</li> <li># Work independently and cooperatively to accomplish a task.</li> <li># Plan and manage time to deliver outcomes on schedule.</li> <li># Effectively present scientific material to a diverse audience.</li> <li># Prepare scientific and technical reports.</li> </ul>
<b>Related Majors/Minors/ Specialisations:</b>	<p>Environments Discipline subjects</p> <p>Landscape Management major</p>