

## 207-203 Techniques of Resource Assessment

<b>Credit Points:</b>	12.50
<b>Level:</b>	2 (Undergraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: Semester 2, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: Twenty-four hours of lectures and 36 hours of practicals including a 3 day mid-semester field trip. Students are expected to undertake additional study of at least one hour for each hour of contact Total Time Commitment: Not available
<b>Prerequisites:</b>	None
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<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>Coordinator:</b>	Dr Graham Ian Brodie
<b>Subject Overview:</b>	<p>This subject introduces the student to surveying, basic land survey methodology and instruments, and field experience. This will involve soil, plant and animal surveys on a catchment scale.</p> <p>The subject will introduce techniques such as:</p> <ul style="list-style-type: none"> <li># map reading, field surveying and global positioning systems;</li> <li># soil, plant and animal surveys, and tree and forest measurement;</li> <li># land capability assessment;</li> <li># data-loggers, remote sensing, photogrammetry and GIS;</li> <li># GIS remote sensing; and</li> <li># appropriate sampling and analysis strategies.</li> </ul> <p>On completion of this subject the students should be able to:</p> <ul style="list-style-type: none"> <li># understand the basic principles of mapping and performing land surveys;</li> <li># describe the major techniques available to evaluate land and biological resources;</li> <li># observe, sample and record data in field situations;</li> <li># interpret results from the use of such techniques; and</li> <li># understand how to apply them in a natural resource management context.</li> </ul>

<b>Assessment:</b>	A 3-hour end-of-semester examination (50%), one major assignment (up to 2000 words, 20%) and three practical reports (each up to 1000 words, each 10%).
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	Information Not Available
<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/2009/D09">https://handbook.unimelb.edu.au/view/2009/D09</a>)</li> <li># <b>Bachelor of Commerce</b> (<a href="https://handbook.unimelb.edu.au/view/2009/F04">https://handbook.unimelb.edu.au/view/2009/F04</a>)</li> <li># <b>Bachelor of Environments</b> (<a href="https://handbook.unimelb.edu.au/view/2009/A04">https://handbook.unimelb.edu.au/view/2009/A04</a>)</li> <li># <b>Bachelor of Music</b> (<a href="https://handbook.unimelb.edu.au/view/2009/M05">https://handbook.unimelb.edu.au/view/2009/M05</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>	Information Not Available
<b>Related Course(s):</b>	Bachelor of Forest Science Bachelor of Natural Resource Management Bachelor of Natural Resource Management