

## 220-307 Fire Ecology and Management

<b>Credit Points:</b>	12.500
<b>Level:</b>	Undergraduate
<b>Dates &amp; Locations:</b>	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: Twenty-four hours lectures and 36 hours of practical work 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; <p>&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> </p>
<b>Coordinator:</b>	Dr Kevin Tolhurst
<b>Subject Overview:</b>	<p>On completing this subject, students should be competent in:</p> <ul style="list-style-type: none"> <li># basic fire-weather forecasting;</li> <li># understanding the principles of fire behaviour and the bases of fire danger ratings;</li> <li># understanding the principles of fire protection;</li> <li># having skills in planning and selecting appropriate fire-protection strategies;</li> <li># understanding the role and impact of fire in forest ecosystems; and</li> <li># having a knowledge of fire law.</li> </ul> <p>The topics to be covered will include:</p> <ul style="list-style-type: none"> <li># fire history in Australia;</li> <li># combustion theory;</li> <li># forest fire behaviour prediction;</li> <li># fuel hazard assessment;</li> <li># fire weather observation and forecasting;</li> <li># fire danger rating systems;</li> <li># ecological effects of fire in forests;</li> <li># prescribed burning techniques;</li> </ul>

	<ul style="list-style-type: none"> <li># fire planning;</li> <li># fire suppression strategies and techniques; and</li> <li># fire law and fire management principles.</li> </ul>
<b>Assessment:</b>	A 3-hour written examination (60%) and practical assignments equivalent to about 2000 words totalling 40%.
<b>Prescribed Texts:</b>	None
<b>Recommended Texts:</b>	Information Not Available
<b>Breadth Options:</b>	<p>This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008.</p> <p>This subject or an equivalent will be available as breadth in the future.</p> <p>Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available.</p> <p>2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.</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>	<ul style="list-style-type: none"> <li>Bachelor of Forest Science</li> <li>Bachelor of Forest Science</li> <li>Bachelor of Forest Science/Bachelor of Science</li> <li>Bachelor of Natural Resource Management</li> <li>Bachelor of Natural Resource Management</li> </ul>