

## 220-509 Forests, Carbon and Climate Change

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2009, This subject commences in the following study period/s: June, - Taught on campus. Intensive teaching mode
<b>Time Commitment:</b>	Contact Hours: Twenty-four hours lectures and 36 hours practical work, delivered in a two week teaching block. 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 Stefan Arndt
<b>Subject Overview:</b>	<p>This subject will investigate the role of forests in the carbon cycle and in a changing climate. Students will learn the scientific basis for climate change and the impact that a changing climate might have on tree physiology and forest ecology. We will discuss the role forests play in the global carbon cycle and the degree to which forests or plantations can be used as a carbon sequestration option. We will evaluate the requirements for forest carbon accounting and will apply carbon accounting tools in hands-on accounting sessions with industry partners. This scientific understanding will be extended to discuss policy instruments under consideration in Australia and in the International arena for the potential role of forests in carbon emissions trading. The subject will equip students with state-of-the-art knowledge on the impact of climate change on forest ecosystems and with practical experiences in forest carbon accounting.</p>
<b>Objectives:</b>	<p>By the end of this subject students should:</p> <ul style="list-style-type: none"> <li># be well informed in the international and national context of climate change science as it relates to forests</li> <li># understand the response of forests to changing climate</li> <li># be well informed on the role of forests in carbon sequestration and emissions trading.</li> </ul>
<b>Assessment:</b>	Several small daily "quizzes" - 20%, Literature review assignment (2000 words) - 30%, Major assignment (3500 words) - 50%.
<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>Links to further information:</b>	<a href="http://www.forests.unimelb.edu.au/subjects.html">http://www.forests.unimelb.edu.au/subjects.html</a>
<b>Related Course(s):</b>	Master of Forest Ecosystem Science