

## FRST90032 Forests, Carbon and Climate Change

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2011, Creswick This subject commences in the following study period/s: June, Creswick - Taught on campus. Intensive teaching, Creswick
<b>Time Commitment:</b>	Contact Hours: 24 hours lectures and 36 hours practical work, delivered in a two-week intensive 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>	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>
<b>Coordinator:</b>	Assoc Prof Michael Tausz, Assoc Prof Stefan Arndt
<b>Contact:</b>	<b>Melbourne School of Land &amp; Environment Student Centre</b> Ground Floor, Land & Food Resources (building 142) <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> )
<b>Subject Overview:</b>	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.
<b>Objectives:</b>	By the end of this subject students should: <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>	Oral presentation - 30%, written assignment (3000 words) - 70%
<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 Postgraduate Diploma in Bushfire Management
<b>Related Majors/Minors/ Specialisations:</b>	Climate Change Environmental Science Environmental Science Sustainable Forests