

## AGRI90057 Climate Change: Agric. Impacts & Adaptation

<b>Credit Points:</b>	12.50
<b>Level:</b>	9 (Graduate/Postgraduate)
<b>Dates &amp; Locations:</b>	2012, Parkville This subject commences in the following study period/s: June, Parkville - Taught online/distance. September, Parkville - Taught on campus.
<b>Time Commitment:</b>	Contact Hours: 24 hours of seminars and debates Total Time Commitment: June - Taught ONLINE 25/6/12 - 21/8/12 September - Taught on campus. 24-29/9/12 This subject is available as either online for 8 weeks external (no contact hours) in June, or an on campus intensive in September for one week
<b>Prerequisites:</b>	Eligibility for honours or postgraduate degree
<b>Corequisites:</b>	None
<b>Recommended Background Knowledge:</b>	None
<b>Non Allowed Subjects:</b>	None
<b>Core Participation Requirements:</b>	It is University policy to take all 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. This course requires all students to enrol in subjects where they must actively and safely contribute to laboratory activities and field trips. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit.
<b>Coordinator:</b>	Ms Sonja Needs
<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> (mailto:13MELB@unimelb.edu.au) Subject Coordinator: <a href="mailto:sneeds@unimelb.edu.au">sneeds@unimelb.edu.au</a> (mailto:sneeds@unimelb.edu.au)
<b>Subject Overview:</b>	Global Warming is now a reality and the resultant changes in climate will dramatically affect the demographics of the world's food production in the next half century. This subject will examine the potential impacts of current and projected future changes to the climates of world's major agricultural areas on food production.  The objective of this subject is to use Australian agriculture with its broad range of industries and climatic zones as an exemplar of the potential adaptation strategies that may be implemented to ensure the sustainability of food production.
<b>Objectives:</b>	On completion of this subject, students are expected to be able to: <ul style="list-style-type: none"> <li># Understand the principles of adaptation (incremental through to transformational) and an ability to articulate what this looks like in their region/industry</li> <li># Briefly discuss the global context for food supply</li> <li># Discuss adaptation to climate in context with other key drivers affecting industry productivity and terms of trade (markets, genetics, logistics, input and labour costs, etc).</li> </ul>
<b>Assessment:</b>	One assignment of 4,000-5,000 words (100% of total marks). Due 6 weeks after intensive.
<b>Prescribed Texts:</b>	Stokes, C., Howden, M., (2010) Adapting Agriculture to Climate Change. CSIRO Publishing, Australia 2010

<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>Generic Skills:</b>	<p>A profound respect for truth, intellectual and professional integrity, and the ethics of scholarship</p> <p>Capacity for independent critical thought, rational inquiry and self-directed learning and research</p> <p>An ability to derive, interpret and analyse social, technical or economic information from primary and other sources</p> <p>Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data</p> <p>Capacity for creativity and innovation, through the application of skills and knowledge</p> <p>Ability to integrate information across a relevant discipline to solve problems in applied situations</p> <p>Highly developed computer - based skills to allow for effective on-line learning and communication.</p> <p>Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community</p> <p>Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community.</p> <p>Appreciation of social and cultural diversity from a regional to a global context</p> <p>Ability to participate effectively as a member of a team</p> <p>Ability to plan work, use time effectively and manage small projects</p>
<b>Related Course(s):</b>	<p>Master of Agribusiness (Coursework)</p> <p>Master of Agribusiness (Coursework)</p> <p>Master of Agricultural Science</p> <p>Master of Animal Science</p> <p>Master of Food Science</p> <p>Master of Urban Horticulture</p> <p>Master of Wine Technology and Viticulture</p> <p>Postgraduate Diploma in Agricultural Science</p> <p>Postgraduate Diploma in Animal Science and Management</p> <p>Postgraduate Diploma in Food Science</p>
<b>Related Majors/Minors/ Specialisations:</b>	<p>Climate Change</p> <p>Environmental Science</p> <p>Environmental Science</p> <p>Sustainable Cities, Sustainable Regions</p>