


AGRI90067 Agricultural Plants & the Environment

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| Credit Points: | 12.50 |
| Level: | 9 (Graduate/Postgraduate) |
| Dates & Locations: | This subject is not offered in 2012. |
| Time Commitment: | Contact Hours: 24 hours lectures 24 hours practicals Lectures and practicals Total Time Commitment: Not available |
| Prerequisites: | Eligibility for honours or postgraduate degree |
| Corequisites: | None |
| Recommended Background Knowledge: | None |
| Non Allowed Subjects: | None |
| Core Participation Requirements: | 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. |
| Contact: | Email: jrowarth@unimelb.edu.au (mailto:jrowarth@unimelb.edu.au) Phone: 8344 3314 MSLE Student Centre Email: msle-ugrad@unimelb.edu.au (mailto:msle-ugrad@unimelb.edu.au) Phone: 8344 0276 |
| Subject Overview: | This subject will focus on several aspects of interactions between agricultural plants and their environments. These include; phenological development; light interception, carbon economy; water use; responses to environmental stresses, including drought and salinity; nutrient economy; and pasture management. On completion of this subject, students should be able to understand the interactions between plant canopies and the environment that determine yield and product quality; synthesise information from a range of disciplines including plant anatomy and physiology, biochemistry and engineering (environmental physics); critically analyse literature on physiological and agronomic topics; set up and conduct experiments to test hypotheses; and interpret experimental results and report their findings in seminars and written reports. |
| Objectives: | Information Not Available |
| Assessment: | 3000 words essay (40%) – by week 9 and 3 hour end of semester examination (60%) |
| Prescribed Texts: | Information Not Available |
| Breadth Options: | This subject is not available as a breadth subject. |
| Fees Information: | Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees |
| Generic Skills: | <ul style="list-style-type: none"> # A profound respect for truth, intellectual and professional integrity, and the ethics of scholarship # Capacity for independent critical thought, rational inquiry and self-directed learning and research # An ability to derive, interpret and analyse social, technical or economic information from primary and other sources # Awareness of and ability to utilise appropriate communication technology and methods for the storage, management and analysis of data # Capacity for creativity and innovation, through the application of skills and knowledge |

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- # Ability to integrate information across a relevant discipline to solve problems in applied situations
 - # Highly developed computer - based skills to allow for effective on-line learning and communication.
 - # Highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community
 - # Highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community.
 - # Appreciation of social and cultural diversity from a regional to a global context
 - # Ability to participate effectively as a member of a team
 - # Ability to plan work, use time effectively and manage small projects