FRST90033 Farm Trees & Agroforestry

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2015, Creswick This subject commences in the following study period/s: October, Creswick - Taught on campus. Please note that this subject has a pre-teaching period, where you will be required to undertake reading material prior to the intensive.
Time Commitment:	Contact Hours: 24 hours lectures and 24 hours practical work, delivered in a two-week intensive teaching block. Total Time Commitment: 170 hours
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	Attendance of at least 80% of the lectures and field trips; unless alternative arrangements are made. 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. This course requires all students to enrol in subjects where they must actively and safely contribute to field excursions and laboratory activities. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison http://services.unimelb.edu.au/disability/ students email: disability-liaison@unimelb.edu.au
Coordinator:	Mr Rowan Reid
Contact:	**Graduate School of Science** *Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)** *Coordinator* Mr Rowan Reid **rowan.reid@unimelb.edu.au (mailto:rowan.reid@unimelb.edu.au)**
Subject Overview:	This subject covers the principles and practices of integrating trees into the rural agricultural landscape for both conservation and profit. The farming community require trees and shrubs for shade and shelter, soil conservation, salinity control and aesthetics. Farmers can also produce commercial tree products such as timber, fuel, fodder, essential oils and food. Because farmers manage the majority of the Australian landscape governments, community groups and industry are increasingly working in partnership with them to grow trees for environmental services including carbon sequestration, biodiversity and downstream water quality.
Learning Outcomes:	By the end of the subject students should: # Have a working knowledge of farm planning and agroforestry diagnosis and design as tools for developing farm re-vegetation plans; # Have an understanding of the role of trees in providing for landowner, community and industry needs and aspirations; # Be able to develop technical design criteria for effective re-vegetation for resource conservation, agricultural production and commercial purposes; # Be able to measure and monitor the growth, productivity and environmental impact of forests on farms;

	# Be familiar with extension and development approaches for promotion of re-vegetation and forest management on farms; # Have an understanding of multipurpose tree research methodologies and economic evaluation; and, # Recognise the potential for trees on farms, both in Australia and overseas, to contribute to international development goals such as poverty elimination, human health, environmental protection and mitigating climate change.
Assessment:	Exam (take home test - equivalent to 2000 words) 40% - due one month after the completion of the subject. Communication exercise (1000 words) 20% - due one month after the completion of the subject. Assignment (2000 words) 40% - due 2 months after the completion of the subject.
Prescribed Texts:	None
Recommended Texts:	Agroforestry for Natural Resource Management, Nuberg, George and Reid 2009. CSIRO Publishing
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
Links to further information:	http://graduate.science.unimelb.edu.au/master-of-forest-ecosystem-science
Related Course(s):	Graduate Certificate in Agricultural Sciences Graduate Diploma in Agricultural Sciences Graduate Diploma in Urban Horticulture Master of Agricultural Science Master of Forest Ecosystem Science Master of Urban Horticulture Postgraduate Diploma in Agricultural Science
Related Majors/Minors/ Specialisations:	100 Point (A) Master of Agricultural Sciences 100 Point (B) Master of Agricultural Sciences 150 Point Master of Agricultural Sciences 200 Point Master of Agricultural Sciences Bachelor of Environments (Honours) Landscape Management Climate Change Climate Change Conservation and Restoration Conservation and Restoration