FRST90041 Forest Operations

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	This subject is not offered in 2014. Mix mode teaching involving online materials and assessments and one week of intensive field study at the University of the Sunshine Coast from July 1-5, 2013.
Time Commitment:	Contact Hours: Equivalent of 50 hours of lectures, practicals and tutorials or self-paced programs, delivered in a combination of on campus & online teaching modes. Total Time Commitment: Not available
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	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: http://www.services.unimelb.edu.au/disability/
Contact:	**Melbourne School of Land & Environment Student Centre** Ground Floor, Melbourne School of Land & Environment (building 142) *Enquiries* Phone: 13 MELB (13 6352) Email: **13MELB@unimelb.edu.au (mailto:13MELB@unimelb.edu.au)**
Subject Overview:	This subject provides an overview of forest and plantation harvesting operations including mechanized harvesting methods, cable yarding, transportation systems, forest road management, and harvest planning. Harvesting and operations cost assessment techniques, and applications of planning software to help frame problems and provide information for contemporary forest and plantation management. Students will apply the information learned in the course to develop a harvesting plan and present the plan.
Learning Outcomes:	At the end of the course students should be able to: # Describe the capabilities and limitations of harvesting, transportation and operations equipment and systems that are used in different native forest and plantation applications # Identify the appropriate variables that affect harvesting productivity, cost and safe working conditions # Obtain operations productivity rates, calculate machine rates, and harvesting cost and manage value in a forest supply chain # Use current harvesting software to aid decision making, and forest or plantation planning # Complete a forest/plantation harvesting plan that includes all aspects of roads and transportation planning, tree harvesting, and meeting environmental, regulatory, and social management objectives.
Assessment:	2 individual assignments - 25%, Field day report (500 words) - 10%, Comprehensive exam of lecture material - 25%, Major group assignment (3500 words + presentation) - 40%.
Prescribed Texts:	None
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://www.land-environment.unimelb.edu.au/future-students/grad/forest-ecosystem-science.html
Related Course(s):	Master of Forest Ecosystem Science Postgraduate Diploma in Forest Systems Management