220-720 Forest Operations

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2009, This subject commences in the following study period/s: June, - Taught on campus. Intensive
Time Commitment:	Contact Hours: Equivalent of 50 hours of lectures, practicals and tutorials or self-paced programs, delivered in a two week teaching block. 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 Student Support and Engagement Policy, academic requirements for this subject are articulated in the Subject Overview, Learning Outcomes, Assessment and Generic Skills sections of this entry. 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. Students who feel their disability may impact on meeting the requirements of this subject are encouraged to discuss this matter with a Faculty Student Adviser and Student Equity and Disability Support: http://services.unimelb.edu.au/disability
Coordinator:	Mr Mark W Brown, Prof Loren D Kellogg
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.
Objectives:	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 # 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:	Several small daily "quizzes" - 20%, Literature review assignment (2000 words) - 30%, Major assignment (3500 words) - 50%.
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.forests.unimelb.edu.au/subjects.html
Related Course(s):	Master of Forest Ecosystem Science