

220-505 Advanced Plantation Silviculture

Credit Points:	12.500
Level:	Graduate/Postgraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus. Semester 2, - Taught on campus. Intensive teaching mode
Time Commitment:	Contact Hours: 24 hours of lectures plus 36 hours of practical work and tutorials Total Time Commitment: Not available
Prerequisites:	Silviculture and Forest Dynamics
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	<p><p>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.</p> <p>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</p></p>
Coordinator:	Dr P Ades, Dr C Weston, Dr T Baker
Subject Overview:	<p>This subject presents theory and practice of how growth and product quality can be manipulated and modelled in intensively managed plantations. It consists of three modules comprising:</p> <ol style="list-style-type: none"> 1. Genetics and breeding of plantation trees, 2. Nutrition and productivity of tree plantations 3. Modelling trees and stands. <p>On completion of this subject students should have a sound knowledge of:</p> <ol style="list-style-type: none"> 1. Breeding theory and how it may be applied to tree species to increase value of commercial plantations, 2. Soil and plant assessment of plantation nutrition 3. Diagnosis of plantation nutrient status for optimizing productivity, 4. Models for predicting growth of stands and individual trees, 5. Mortality, size class and product models, 6. Fitting growth models to data, 7. Growth and product prediction.
Assessment:	Three assignments each of 2,000 words (90%)and satisfactory completion of tutorial and practical exercises (10%)
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