

207-332 Arboriculture

Credit Points:	12.500
Level:	Undergraduate
Dates & Locations:	2008, This subject commences in the following study period/s: Semester 1, - Taught on campus.
Time Commitment:	Contact Hours: Thirty-six hours lectures, 24 hours practical, 12 hours web-based Total Time Commitment: Not available
Prerequisites:	None
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:	TBA
Subject Overview:	<p>The objectives of the subject are to extend the students' abilities to:</p> <ul style="list-style-type: none"> # describe the anatomy of trees, the nature of branch attachment and the structure of tree roots; # identify the components of the compartmentalisation system that exists within the tree; # implement proper tree management strategies; # relate root development to the soils in which they grow and root management practices; # relate tree growth to plant propagation and the method of tree planting; # climb trees safely using various ropes and harness techniques and tie the necessary knots; # use appropriate tools safely in tree maintenance, both on the ground and in the tree; # develop tree management strategies and replacement procedures for trees growing in cities; # evaluate the monetary value of amenity trees using accepted methods and the Burnley method; # use the relevant laws that apply to trees growing in urban and amenity contexts; # use the latest technology to assess the vigour, condition and soundness of trees; # quote the costs of arboricultural procedures; and # implement specialist arboricultural techniques. <p>The topics to be studied in the subject are:</p>

	<ul style="list-style-type: none"> # anatomy of trees, branch attachment and tree root systems; # the components of the compartmentalisation systems within trees; # root development, soils and methods of irrigation and fertilising and root management practices; # tree growth, plant propagation and the method of tree planting; # introduction to climbing trees safely using ropes and harness techniques and knots; # development of tree management and replacement strategies for trees growing in cities; # wound response, pruning techniques, tree selection criteria; # tools - safety and use; tree climbing; # safety in the tree; # tree replacement strategies; tree evaluation; # trees in cities, trees and the law; # costing and contracts; tree surveys; tree pests and diseases; # evaluating the monetary value of amenity trees using accepted valuation methods; # the relevant laws that apply to trees growing in urban and amenity contexts; and # using technology to assess the vigour, condition and soundness of trees.
Assessment:	One 3-hour examination worth 50% of final marks, two assignments equivalent to 2500 words in total and worth 20% each of final marks, and a practical assignment worth 10% of final marks.
Prescribed Texts:	None
Recommended Texts:	Information Not Available
Breadth Options:	<p>This subject is a level 2 or level 3 subject and is not available to new generation degree students as a breadth option in 2008.</p> <p>This subject or an equivalent will be available as breadth in the future.</p> <p>Breadth subjects are currently being developed and these existing subject details can be used as guide to the type of options that might be available.</p> <p>2009 subjects to be offered as breadth will be finalised before re-enrolment for 2009 starts in early October.</p>
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Information Not Available
Related Course(s):	Bachelor of Horticulture Bachelor of Horticulture Bachelor of Horticulture (Honours)