

HORT90036 Horticultural Principles

Credit Points:	12.5
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2016, Burnley This subject commences in the following study period/s: Semester 1, Burnley - Taught on campus.
Time Commitment:	Contact Hours: 42 hours of lectures/seminars/workshops. Total Time Commitment: In addition to face-to-face teaching time of 42 hours, students should expect to undertake a minimum of 170 hours research, reading, writing and general study to complete this subject successfully.
Prerequisites:	None
Corequisites:	None
Recommended Background Knowledge:	None
Non Allowed Subjects:	None
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Commonwealth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Overview, Objectives, 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 course are encouraged to discuss this matter with the Student Equity and Disability Support Team: http://www.services.unimelb.edu.au/disability/
Coordinator:	Mr John Rayner
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Subject Overview:	This subject provides an overview of the horticultural principles required for successful plant growth in designed landscapes. This includes categories of landscape and vegetation types/treatments, plant growth processes, including plant function and structure, plant production techniques, plant quality, site evaluation, soil composition and properties, soil texture and structure, soil water relationships, plant nutrition and soil management, environmental and ecological considerations, planting, establishment and transplanting techniques, water management issues and an introduction to the horticultural industry.
Learning Outcomes:	On completion of this subject, student should be able to: <ul style="list-style-type: none"> • Demonstrate an understanding of plant structure, function and critical growth processes; • Describe soils and soil properties and how they are managed to assist plant growth and performance; • Analyse sites for planting and describe the requirements for successful plant establishment; • Describe techniques, methods and materials used to produce nursery plants; • Discuss the main requirements to establish, maintain and manage plants successfully in designed landscapes.
Assessment:	2 x practical reports each equivalent to 1500 words 30 % each (due early and mid-semester respectively) Two hour final examination 40% (due end of semester)
Prescribed Texts:	Nil.
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

Generic Skills:	<ul style="list-style-type: none">• Sourcing, interpreting and applying information from written and electronic sources to individual tasks;• Use scientific and technical literature to answer specific questions;• Time management and the meeting of deadlines;• Report on an experimental procedure using scientific conventions;• Retrieval, from a range of paper-based and electronic sources, of information required to develop understanding of a topic, and the use of this information, with appropriate recognition, in report writing.
Links to further information:	http://graduate.science.unimelb.edu.au/graduate-programs
Related Course(s):	Graduate Certificate in Garden Design