

Advanced Diploma in Horticulture

Second-year subjects

207-252 Horticultural Practice III

Availability: Burnley campus

Credit points: 12.5

Coordinator: Mr Clive Sorrell

Contact: Thirty-six hours of lectures and 36 hours of practical activities (*Semester 1*).

Description: This subject covers:

- studies of horticultural plants based on garden styles and landscape themes; and
- technical issues and practical activities in Arboriculture. The arboriculture content includes safely climbing and pruning trees, utilising modern technologies and techniques; fundamental tree anatomy and physiology and CODIT defence strategies in trees.

Assessment: One 90-minute written examination worth 25% of final marks, two plant materials tests worth a total of 30% of final marks and horticultural industry sector practical or written assignments (equivalent to 3000 words) worth a total of 45% of total marks.

Prescribed texts: *Burnley Plant Directory (Database) 2000*, Version 1.05, Burnley College, University of Melbourne.

207-253 Horticultural Practice IV

Availability: Burnley campus

Credit points: 12.5

Coordinator: John Rayner

Contact: Thirty-six hours of lectures and 36 hours of practical activities (*Semester 2*).

Description: This subject includes:

- project studies of horticultural plants based on a plant genus or group within a plant genus; and
- technical, planning and management activities in Arboriculture. The arboriculture content includes issues relating to establishing, maintaining and managing trees that enhance urban and other environments.

Assessment: A written assignment of 1500 words (plant materials) worth 15% (during semester), practical and written assessments equivalent to 4000 words worth 50% (during and end of semester) and a two-hour final examination worth 35% (end of semester).

Recommended texts: *Burnley Plant Directory (Database) 2000*, Version 1.05, Burnley College, University of Melbourne.

207-263 Advanced Plant Biology

See full subject details on page 2.

207-265 Sustainable Horticultural Management

See full subject details on page 4.

208-269 Managing Staff

See full subject details on page 3.

Year-long subject

202-051 Industry Placement#

See full subject details on page 2.

Elective subjects

202-251 Quantitative Skills for Land and Food

See full subject details on page 1.

207-258 Sports Turf Management

Availability: Burnley campus

Credit points: 12.5

Coordinator: Dr David Aldous

Semester: Not Offered

Description: Areas for this subject have been designed to extend the student's ability to:

- describe the benefits, values, location, and distribution of the national and international turfgrass industry;
- describe basic turfgrass function, physiology, inflorescence, and seed development;
- describe the major cool, transitional, and warm-season turfgrasses, and alternatives;
- describe specialist sowing/planting/instant lawn and after-care practices;
- describe important turf fertilisers and conditioners for turf performance;
- describe the components of surface playing quality;
- describe the agronomic factors influencing surface playing quality;
- describe the performance requirements for different grassed surfaces;
- measure and assess the playing quality of a range of grass surfaces;
- describe the practices associated with efficient and effective irrigation and drainage application;
- describe the practices associated in the use and care of turfgrass machinery and equipment for maintenance and renovation;
- recommend control methods and strategies for weeds, insects, nematodes, and diseases of turfgrass; and
- develop a works program and schedule for fine and coarse turf maintenance.

Assessment: One 3-hour common examination (50%) (short-answer, or essay), one web assignment of 2500 words (25%) (analysis of an industry topic), and two workshop reference exercises of 1000 words (25%).

Prescribed texts: D E Aldous (ed.), *International Turf Management Handbook*, Butterworth-Heinemann, 1999.

207-333 Amenity Tree Assessment and Management

See full subject details on page 5.

