405-BH Bachelor of Horticulture

Year and Campus:	2009
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Level:	Undergraduate
Duration & Credit Points:	
Coordinator:	Mr James Will
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Course Overview:	**Course being phased out from 2008.** Last intake 2007. This course is offered at the Burnley campus of the University. Students will need to travel to Parkville campus for some subjects. The Bachelor of Horticulture is designed to enable students to major in different areas of the horticultural industry, which can include landscape management, landscape construction, wholesale and retail nursery management, flower production, sports turf management, and arboriculture.
Objectives:	On completion of the program, graduates should be able to: # demonstrate an understanding of, and apply, scientific, technological, managerial and social principles related to the environmental horticultural industries of Australia; # interpret the roles and inter-relationships of plants, soil, water, air and micro-organisms and apply them to the interpretation, assessment or prediction of problems and solutions in environmental horticulture systems; # demonstrate analytical, quantitative and interpretive skills in the context of environmental horticulture; # integrate theory, formal study and industry practices at a professional level relevant to environmental/ornamental horticulture; # develop strategies appropriate to the establishment, maintenance and management of landscapes, public and private open space, and plant production systems; # research, analyse and present, both orally and in written form, data and concepts relevant to the industries associated with environmental/ornamental horticulture; # demonstrate an understanding of the dynamic nature of the industries associated with environmental/ornamental horticulture; # demonstrate relevant practical horticultural skills at an acceptable level of competence.
Course Structure & Available Subjects:	405-AA Bachelor of Horitculture (last intake 2004) 405-BH Bachelor of Horticulture (Burnley)
Subject Options:	**BACHELOR OR HORTICULTURE** **SECOND YEAR** Core subjects

Subject	Study Period Commencement:	Credit Points:
202-206 Plant Function	Semester 1	12.500
202-208 Experimental Design/Statistical Methods	Semester 1	12.500
207-204 Engineering and Irrigation	Semester 1	12.500

207-206 Management of Urban Vegetation	Semester 1	12.500
202-207 Soil and Water Resources	Semester 2	12.500
207-101 Land, Food and Resource Economics	Semester 2	12.500
207-207 Plant Health	Semester 2	12.500
207-208 Production of Cultivated Plants	Semester 2	12.500

THIRD YEAR - Core subjects

Two electives in Semester 1, and two electives in Semester 2.

202-311 Industry Project (25 points, Semester 2) may be replaced by 202-310 Industry Project (25 points, year long).

Subject	Study Period Commencement:	Credit Points:
202-302 Human Resource Management	Semester 1	12.500
207-336 Project Planning	Semester 1	12.500
202-003 Industry Placement#	Year Long	0.000
202-311 Industry Project	Semester 2	25.000
202-310 Industry Project	Year Long	25.000

THIRD YEAR - Elective subjects

In addition to these subjects, electives may be drawn from other faculties, subject to the approval of the faculty concerned and the course coordinator. By appropriate subject choice students in the Bachelor of Horticulture will be able to build on the general education they receive in the first two years of the program to develop specialised knowledge in particular horticulture disciplines.

Subject	Study Period Commencement:	Credit Points:
207-312 Garden History and Contemporary Design	Semester 1	12.500
207-315 Landscape Construction	Semester 1	12.500
207-332 Arboriculture	Semester 1	12.500
207-401 Soil Management and Conservation	Not offered 2009	12.50
207-414 Social Research Methods	Semester 1	12.500
208-302 Molecular Biology and Breeding	Semester 1	12.500
208-402 Advanced Plant Breeding and Improvement	Semester 1	12.500
207-301 Global Environment and Sustainability	Semester 1	12.500
207-201 Resource Management Economics	Semester 2	12.500
207-305 Revegetation and Landscape Restoration	Semester 2	12.500
207-313 Graphic Studies	Semester 2	12.500
207-333 Amenity Tree Assessment and Management	Semester 2	12.500
207-402 Management of Plant and Animal Invasions	Semester 2	12.500
207-413 Community Natural Resource Management	Semester 2	12.500

	220-407 Parks and Recreation	Not offered 2009	12.500

Entry Requirements:	This course is being phased out. There have been no new enrolments into this course since 2007. The information for this course is for continuing students who are completing this course. Entry into undergraduate degrees is usually via applications through the Victorian Tertiary Admissions Centre (VTAC). Full details regarding the VTAC application process may be found on the VTAC website or by purchasing the VTAC Guide from newsagencies.
Core Participation Requirements:	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. This course requires all students to enrol in subjects where they must actively and safely contribute to field excursions and laboratory activities. Students who feel their disability will impact on meeting this requirement are encouraged to discuss this matter with the Subject Coordinator and Disability Liaison Unit (8344 7068 or DLU-enquiries@unimelb.edu.au).
Further Study:	Students may wish to continue their undergraduate studies and undertake their Honours year. The Faculty offers excellent opportunites for students to pursue postgraduate studies in the fields of agricultural science, forestry, natural resource management, urban horticulture, food science, animal welfare, wood science, agribusiness, wine technolgy and viticulture, forest ecosystem science. Programs available include Graduate Certificates, Graduate Diplomas, Postgraduate Certificates, Postgraduate Diplomas, Masters (by coursework), Masters (by research) and Doctoral degrees.
Graduate Attributes:	Graduates will be expected to:have excellent interpersonal and decision-making skills, including an awareness of personal strengths and limitationshave a strong sense of intellectual integrity and the ethics of scholarshiphave in-depth knowledge of their specialist discipline(s)reach a high level of achievement in writing, generic research activities, problem-solving and communicationbe critical and creative thinkers, with an aptitude for continued self-directed learningbe adept at learning in a range of ways, including through information and communication technologiesbe advocates for improving the sustainability of the environment
Generic Skills:	Students who complete this course should have acquired: # a profound respect for truth, intellectual and professional integrity, and the ethics of scholarship # a capacity for independent critical thought, rational inquiry and self-directed learning and research identification and description of the business environment in which rural and regional businesses operate # an ability to derive, interpret and analyse ecological, biological, social, technical or economic information from primary sources # an awareness of, and ability to utilize appropriate communication technology and methods for the storage, management and analysis of data # an ability to utilize appropriate technology in the analysis of rural and regional business # a capacity for creativity and innovation, through the application of skills and knowledge # an ability to integrate information across a broad range of disciplines to solve problems in applied situations # highly developed written communication skills to allow informed dialogue with individuals and groups from industry, government and the community # highly developed oral communication skills to allow informed dialogue and liaison with individuals and groups from industry, government and the community # an appreciation of social and cultural diversity from a regional to a global context # an ability to participate effectively as part of a team # an ability to plan work, use time effectively and manage small projects