

The University of Melbourne

The University of Melbourne is among the oldest and largest universities in Australia. It is a research intensive, comprehensive institution with a strong postgraduate commitment. It aims to be one of the finest universities in the world - a proud institution of higher learning producing graduates, scholarship and research that matters to the nation and beyond.

www.unimelb.edu.au

Melbourne School of Land and Environment

The Melbourne School of Land and Environment (MSLE) is Australia's most diverse university faculty, with expertise addressing environmental challenges through teaching and research. MSLE's interdisciplinary approach applies scientific, social, political and economic perspectives to address the needs of both human communities and the natural environment.

www.land-environment.unimelb.edu.au

School of Melbourne Custom Programs

School of Melbourne Custom Programs is a division of UoM Commercial Ltd, providing Services Commercialisation on behalf of the University of Melbourne. Its role is to develop and deliver demand custom award and non award education programs.

www.mccp.unimelb.edu.au

More Information

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DISCLAIMER

The information in this brochure was correct at the time of printing. The University reserves the right to make changes as appropriate. Changes may be made to such things as course content and presenters. Students will be advised of changes as soon as practicable.

Printed September 2011.



THE UNIVERSITY OF
MELBOURNE



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MELBOURNE SCHOOL OF LAND & ENVIRONMENT

Graduate Certificate in Arboriculture



2012

Course Overview

OVERVIEW

The Graduate Certificate in Arboriculture has been designed for professionals currently managing, or planning to learn how to manage, urban trees.

You will increase your understanding of current issues in urban tree management through studies in tree growth and function, tree identification and selection, pests and diseases of trees and environmental stresses on urban trees including planning for trees in a changing climate. Throughout the course you will also gain skills in writing management plans for urban trees.

At the completion of this course you will be able to conduct tree risk assessments and to be engaged as an expert witness for local government or consumer and trade tribunal proceedings. If you are keen to take your study further you may gain credit of 50 points for admission into the Master of Urban Horticulture.

“The imminent introduction of some form of Carbon Pollution Reduction Scheme (CPRS) by the Federal Government will change the focus on tree preservation and dramatically increase the value of trees. This will exacerbate the skill shortage of qualified (AQF 5) and experienced people in the industry to conduct tree assessments.”

Skills Australia Report 2011

ENTRY REQUIREMENTS

Entry into the course will be based on completion of:

- a bachelors degree; or
- a relevant TAFE or Higher Education Advanced Diploma or equivalent and 3 years full-time, relevant, documented work experience or equivalent; or
- a relevant TAFE Diploma and 4.5 years full-time relevant, documented work experience, or equivalent; or
- 6 years full time relevant, documented work experience, including at least 3 years in a demonstrated supervisory role.

ASSESSMENT

Each subject is formally assessed to meet the requirements of University accreditation. Assessment is designed to be practical and relevant to industry professionals and those wanting to manage urban trees.

FEES

2012 fees are \$2,500 per subject.

FEE-HELP is available – please visit www.goingtouni.gov.au for more information.

REGISTRATION

You can commence at any time. Applications close 4 weeks before teaching commences.

TEACHING LOCATION

Situated within the nine hectares of historic Burnley Gardens, the University of Melbourne’s Burnley Campus is approximately five kilometres from Melbourne’s city centre and is easily accessible via public transport.

Burnley has provided international leadership in horticultural education and training for over 120 years. As part of the Melbourne School of Land and Environment, our innovative courses and curricula meet contemporary needs in the profession and community and take advantage of our remarkable plant collection providing you with a unique learning experience.

Research activity at the campus is rapidly expanding and is well known around the world. A recent focus on research activity, particularly in green infrastructure/urban horticulture, is building strong local research collaborations and an international research profile. Green infrastructure includes the vegetation in our cities and urban areas including parks and gardens, public open spaces, urban street trees and new technologies such as green roofs and walls.

Burnley is the base for collaborating scientists who are developing an Australian focused green infrastructure program. Burnley leads the way in researching the application of vegetation techniques for climate change adaptation and our experts consult with councils and developers, including the City of Melbourne and City of Monash council chambers, to initiate green roof installation, improve the health of urban trees and study the benefits of urban trees.

ACCOMMODATION

If you are visiting Burnley from regional Victoria, interstate or overseas we can recommend the following accommodation options in the area:

Amora Riverwalk Hotel

www.melbourne.amorahotels.com/accomm.html
(Walk or short drive)

Richmond Hill Hotel

www.richmondhillhotel.com
(Tram 70 along Swan Street)

Quest on Chapel

www.questonchapel.com.au
(Tram up Church Street and change at Swan Street for tram 70 to Campus. Short Drive. 40 minute walk)

Quest Richmond

www.questrichmond.com.au
(Short drive to campus, or five minute walk to Swan Street for Tram 70 to campus)



Course Structure

Each subject involves the intensive delivery of lectures, workshops, practical exercises and field visits over six days. There will be a 12-week online component following the intensive teaching period.

To achieve the Graduate Certificate in Arboriculture you need to successfully complete all four 12.5 credit point subjects.

You may choose to complete these subjects over one to four years.

You may also study a single subject from the course through the University’s Community Access Program. You can read more about single subject study at

www.land-environment.unimelb.edu.au/cap

2012 DATES	SUBJECTS
Monday 20 February - Saturday 25 February (inclusive) 9am - 5pm daily	URBAN TREE GROWTH AND FUNCTION Environmental stresses such as drought, extreme heat and severe wind events are increasing in their severity in urban environments. This subject will help you understand how and why urban trees are vulnerable to such stresses and how urban tree biology and function is constantly compromised through human intervention. At the end of the subject you will understand the structure and function that underpins tree biology and its importance for urban tree managers. Tree stress adaption mechanisms will be investigated from a cellular to a whole tree level.
Monday 16 July - Saturday 21 July (inclusive) 9am - 5pm daily	MANAGING URBAN TREES This subject will provide you with a thorough understanding of the care and management of trees in the urban forest. You will learn the methods of tree risk assessment and evaluation, tree protection strategies, planning and management issues and case-studies including surveys, location mapping, inventories and tree protection strategies.
Monday 17 September - Saturday 22 September (inclusive) 9am - 5pm daily	TREE IDENTIFICATION AND SELECTION In this subject you will gain a thorough understanding of the tree selection and tree identification principles. At the end of the subject you will be able to recognise trees commonly used in landscape horticulture and correctly write their botanical, common and family names as well as describe tree form and tolerances. You will also be able to write plant names in accordance with the International Code of Botanical Nomenclature and the International Code of Nomenclature for Cultivated Plants.
Monday 19 November - Saturday 24 November (inclusive) 9am - 5pm daily	URBAN TREE HEALTH Through this subject you will gain an understanding of the impact of the invasion of trees by pests and other parasitic organisms in urban environments. You will be able to identify common pest and disease species, understand symptoms displayed and how to manage pests and diseases of trees. You will also gain an understanding of integrated pest control concepts, pest control measures and the fate of chemicals in the environment and integrated pest management.