

HORT 7003 GREENHOUSE CROP PRODUCTION

Credit Points 10

Legacy Code 301360

Coordinator Robert Sharwood ([https://directory.westernsydney.edu.au/search/name/Robert Sharwood/](https://directory.westernsydney.edu.au/search/name/Robert%20Sharwood/))

Description This subject focuses on key concepts relating to the functioning of a range of greenhouse horticultural crops in their environment, biological mechanisms, crop growth and development, integrated pest management, crop production, quality and postharvest technology. Students will learn concepts and knowledge relevant to plant physiology, environmental sciences, horticultural production, food technology, and postharvest physiology. Students will be able to measure and interpret plant physiological, biochemical, genetic, and produce quality traits in greenhouse experiments in the context of the functional diversity in crops. The students will also integrate knowledge using plant growth modelling techniques, interpret model output, and address questions on functional diversity in crops by combining model output and experimental data.

School Science

Discipline Horticulture

Student Contribution Band HECS Band 1 10cp

Level Postgraduate Coursework Level 7 subject

Assumed Knowledge

Students enrolling in this subject should have knowledge of one of the following subject areas: horticultural production systems; environmental sustainability analytics; computing and technological applications; marketing principles and business management.

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task
Quiz	Three online quizzes of 60 minutes each including multiple choice and short answer questions	30	N	Individual
Report	One practical report (1,000 words)	15	N	Group
Presentation	15 minutes	15	N	Group
Essay	2,000 words	40	N	Individual
Participation	Engagement in 3 day workshop	S/U	Y	Individual

Teaching Periods

Autumn (2022)

Hawkesbury

Day

Subject Contact Robert Sharwood ([https://directory.westernsydney.edu.au/search/name/Robert Sharwood/](https://directory.westernsydney.edu.au/search/name/Robert%20Sharwood/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=HORT7003_22-AUT_HW_D#subjects)

Autumn (2023)

Hawkesbury

On-site

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View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=HORT7003_23-AUT_HW_1#subjects)