HORT 2003 PLANT PRODUCTION

Credit Points 10

Legacy Code 301447

Coordinator Jay Bose (https://directory.westernsydney.edu.au/search/name/Jay Bose/)

Description This subject will provide you with an understanding of the scientific basis of sustainable plant production in natural and built environments. These include cropping of plants for food production in extensive and intensive systems. In this subject you will gain an understanding of the physiological controls on plant yield in the Australian environment. You will become familiar with the science and practice of sustainable plant production and develop crop management skills through the production of nursery crops, vegetables and fruits.

School Science

Discipline Horticulture

Student Contribution Band HECS Band 1 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 2 subject

Restrictions

Successful completion of 60 credit points

Assumed Knowledge

Basic knowledge of plants.

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Explain the science and practices in plant production and the cause & effect behind these practices.
2. Demonstrate competence in a range of basic techniques used in crop production.
3. Examine the basic principles of production management of selected crops.
4. Analyse the principle components regulating plant production.
5. Predict the effects of environment modification on crop yield & quality.

Subject Content

1. Sustainable plant production practices for food processing and analysis.
2. Growing environments, system modelling and analysis for Australian conditions.
3. Plant propagation and seed (collection, viability, storage, germination) production.
4. Intensive plant production.
5. Broad-acre field & agricultural crop production.

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	Mandatory
Essay	1500 words	30	N	Individual	N
Practical	3x 1000 words	30	N	Group	N
Final Exam	2hours	40	N	Individual	N

Prescribed Texts

- Adams C R, Bamford K M., Early M P. (2008) Principles of Horticulture, Heinemann (Elsevier) 5th edition, Oxford UK

Teaching Periods

Spring (2024)

Hawkesbury

On-site

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=HORT2003_24-SPR_HW_1#subjects)

Spring (2025)

Hawkesbury

On-site

Subject Contact Jay Bose (https://directory.westernsydney.edu.au/search/name/Jay Bose/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=HORT2003_25-SPR_HW_1#subjects)

Hybrid

Subject Contact Jay Bose (https://directory.westernsydney.edu.au/search/name/Jay Bose/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=HORT2003_25-SPR_HW_3#subjects)