

# BIOS 3021 PLANT HEALTH AND BIOSECURITY

Online Final Exam 2 hours (4 essay style questions) (Open Book) 40 N Individual

**Credit Points** 10

Teaching Periods

**Legacy Code** 300921

**Coordinator** Jonathan Plett ([https://directory.westernsydney.edu.au/search/name/Jonathan Plett/](https://directory.westernsydney.edu.au/search/name/Jonathan%20Plett/))

**Description** This subject explores needs of world food production systems for improved plant health and biosecurity, from paddock to plate and environmental consequences of management practices. Through their studies, students will learn to recognise the significance of plant pests (invertebrates, microorganisms and weeds) and their impact on human society and food security, and methods of reducing their damage to plants and plant products. Major areas of study include: recognition of pests and diseases and assessment of field damage; strategies for reducing pest damage (including legislative, physical, biological, genetic and chemical control methods) and their benefits and limitations; the theory and practice of integrated pest and disease management systems; and issues associated with quarantine and biosecurity.

**School** Science

**Discipline** Biological Sciences

**Student Contribution Band** HECS Band 2 10cp

Check your HECS Band contribution amount via the Fees ([https://www.westernsydney.edu.au/currentstudents/current\\_students/fees/](https://www.westernsydney.edu.au/currentstudents/current_students/fees/)) page.

**Level** Undergraduate Level 3 subject

**Equivalent Subjects** LGYA 6250 - Plant Microbiology and Protection

**Incompatible Subjects** LGYA 5948 - Plant Microbiology Interactions  
 LGYA 6200 - Plant Protection

**Assumed Knowledge**

Foundation in chemical and biological sciences, quantitative thinking.

## 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 |
|--|---|---------|-----------|------------------------|
| Applied Project – Pest & Disease Control | Maximum 5,000 word report (NOTE: limit excludes references section) | 25      | N         | Individual             |
| Report - Practical reports (6)           | 6 'fill-in-the-blank', short answer and paragraph prac reports      | 35      | N         | Individual             |