AGRI12002 *Weeds, Pests and Plant Diseases*
Term 2 - 2023

Profile information current as at 12/10/2024 06:41 pm

All details in this unit profile for AGRI12002 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student).The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

Sustainable management of pest animals, plant diseases and weeds is paramount to successfully managing agricultural and natural environments. This unit introduces you to the principles of plant protection and the relevant foundation disciplines of weed science, plant pathology (the science of plant diseases) and entomology (insect science). You will learn key aspects of biology and identification of weeds, pests and plant diseases. You will be introduced to ecological principles of their interactions with agricultural and natural environments. Guided by this fundamental knowledge you will understand, plan and evaluate protection strategies for a range of agricultural and natural environments.

Details

Career Level: *Undergraduate*
Unit Level: *Level 2*
Credit Points: *6*
Student Contribution Band: *7*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites

Prerequisite 48 Credit Points
Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the Assessment Policy and Procedure (Higher Education Coursework).

Offerings For Term 2 - 2023

- Online
- Rockhampton

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Website

This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

Regional Campuses
Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

Metropolitan Campuses
Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**
Weighting: 40%
2. **Written Assessment**
Weighting: 20%
3. **Written Assessment**
Weighting: 40%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the University's Grades and Results Policy for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the CQUniversity Policy site.
You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the CQUniversity Policy site.

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from SUTE Unit Comments

Feedback
Greater explanation of assessment requirements.

Recommendation
Greater detail will be given on the Moodle Site and in live sessions for assessment help.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Identify major weeds, pests and plant diseases
2. Explain the fundamental biology and ecology of weeds, pests and plant diseases
3. Evaluate and propose protection strategies for agricultural and natural systems from weeds, pests and plant diseases.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

— N/A Level | • Introductory Level | • Intermediate Level | • Graduate Level | ∘ Professional Level | ∘ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes		
	1	2	3
1 - Online Quiz(zes) - 40%	•	•	
2 - Written Assessment - 20%	•		•
3 - Written Assessment - 40%		•	•

Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes		
	1	2	3
1 - Communication	•	•	•
2 - Problem Solving	•		•
3 - Critical Thinking			•
4 - Information Literacy	•	•	
5 - Team Work			
6 - Information Technology Competence	•	•	
7 - Cross Cultural Competence			•
8 - Ethical practice	•	•	
9 - Social Innovation			
10 - Aboriginal and Torres Strait Islander Cultures			

Textbooks and Resources

Textbooks

There are no required textbooks.

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)
- Zoom Capacity (microphone required, webcam preferred if possible)

Referencing Style

All submissions for this unit must use the referencing style: Harvard (author-date)
For further information, see the Assessment Tasks.

Teaching Contacts

Karen Harper Unit Coordinator
k.harper@cqu.edu.au

Schedule

Week 1 - 10 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Introduction	Background reading will be set through the Moodle site.	

Week 2 - 17 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals of weed science 1		

Week 3 - 24 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Fundamentals of weed science 2		

Week 4 - 31 Jul 2023

Module/Topic	Chapter	Events and Submissions/Topic
Animal pests 1 - introduction to agricultural entomology (insect science)		**Online Quiz 1** Open: Week 4 Friday (4 Aug. 2023) 12.00 pm AEST Closed: Week 5 Thursday (10 Aug. 2023) 5:00 pm AEST.

Week 5 - 07 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic
Animal pests 2 - including non-insect pest animals		

Vacation Week - 14 Aug 2023

Module/Topic	Chapter	Events and Submissions/Topic

Week 6 - 21 Aug 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Plant pathology 1		

Week 7 - 28 Aug 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Plant pathology 2		

Week 8 - 04 Sep 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Weed management		**Online Quiz 2** Open: Week 8 Friday (8 Sept. 2023) 12.00 pm AEST Closed: Week 9 Thursday (14 Sept. 2023) 5:00 pm AEST.

Week 9 - 11 Sep 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Pest identification		

Week 10 - 18 Sep 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Pest control and management		**Fact Sheet** Due: Week 10 Friday (22 Sept 2023) 5:00 pm AEST

Week 11 - 25 Sep 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Plant disease control and management		**Online Quiz 3** Open: Week 11 Friday (29 Sept. 2023) 12.00 pm AEST Closed: Week 12 Wednesday (4 Oct. 2023) 5:00 pm AEST.

Week 12 - 02 Oct 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**
Integration and revision		**Advisor's Report Due:** Week 12 Friday (6 Oct. 2023) 5.00 pm AEST. **Advisor's Report** Due: Week 12 Friday (6 Oct 2023) 5:00 pm AEST

Review/Exam Week - 09 Oct 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**

Exam Week - 16 Oct 2023		
Module/Topic	**Chapter**	**Events and Submissions/Topic**

Assessment Tasks

1 Online Quizzes

Assessment Type
Online Quiz(zes)

Task Description
Answer questions to test your knowledge of the foundation material you learned in lectures and tutorials. You can undertake the quiz within the time period specified, but you have only one attempt. Note that once you start an attempt you have to complete it in the allocated time. Make sure you are ready, have stable internet connection and are free from distractions during this period. Each quiz is worth 13.33% of the overall assessment marks.

Number of Quizzes
3

Frequency of Quizzes
Other

Assessment Due Date

Online Quiz 1 Open: Week 4 Friday (4 Aug. 2023) Closed: Week 5 Thursday (10 Aug. 2023) 5:00 pm AEST. Online Quiz 2 Open: Week 8 Friday (8 Sep. 2023) Closed: Week 9 Thursday (14 Sept. 2023) 5:00 pm AEST. Online Quiz 3 Open: Week 11 Friday (29 Sept. 2023) Closed: Week 12 Wednesday (4 Oct. 2023) 5:00 pm AEST.

Return Date to Students

5 working days after due date

Weighting
40%

Assessment Criteria
Quiz questions about material delivered in readings, lectures and tutorials must be answered correctly.

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Online

assessmentOutcome

- Identify major weeds, pests and plant diseases
- Explain the fundamental biology and ecology of weeds, pests and plant diseases

assessmentGradAttribute

2 Fact Sheet

Assessment Type
Written Assessment

Task Description
You will be supplied with materials relevant to a crop protection issue that you will need to identify. You will put yourself in the position of a land management officer responsible for issuing fact sheets about the issue you have selected. this information will provide land and farm managers with relevant information about the issue in the format of a fact sheet. The fact sheet must be concise and clear, contain relevant and correct information, and include a list of authoritative resources used to compile the information. The fact sheet should have clear and easily readable layout and style, contain at least one image, and all content must be accommodated into one-A4 page, 12 pt font. The overall word limit, excluding titles, references, figure legends etc. for the fact sheet is 350 words. Further information will be made available on the Unit's Moodle site.

Assessment Due Date
Week 10 Friday (22 Sept 2023) 5:00 pm AEST

Return Date to Students

Week 12 Friday

Weighting
20%

Minimum mark or grade
50%

Assessment Criteria
Marks are awarded for:
1. Relevant and accurate information in the fact sheets (50%)
2. Professional format and presentation of the fact sheets (30%)
3. Appropriate sources correctly referenced (20%)

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Submit as a .pdf or .docx file format

assessmentOutcome

- Identify major weeds, pests and plant diseases
- Evaluate and propose protection strategies for agricultural and natural systems from weeds, pests and plant diseases.

assessmentGradAttribute

3 Advisor's Report

Assessment Type
Written Assessment

Task Description
In this assessment you will be asked to assume the role of a farm advisor (agronomist, crop protection consultant or similar). You will be given a farm case study scenario with a specific weed, pest or disease problem. More details will be provided on the Moodle page. You will be asked to analyse and explain the problem and suggest management solutions in a written report to the farm manager. The word limit is 2000 words.

Assessment Due Date
Week 12 Friday (6 Oct 2023) 5:00 pm AEST

Return Date to Students

10 working days post due date

Weighting
40%

Minimum mark or grade
50%

Assessment Criteria
Marks are awarded for:

1. Relevant and accurate background information provided (40%)
2. Rationale for the suggested management directions and clarity of suggestions (20%)
3. Professional impression including the clarity of English expression, spelling, grammar, consistent formatting incl. good use of figures and tables, and appropriate length (20%)
4. Appropriate sources and correct referencing (20%)

Referencing Style

- Harvard (author-date)

Submission
Online

Submission Instructions
Submit as a .docx file format

assessmentOutcome

- Explain the fundamental biology and ecology of weeds, pests and plant diseases
- Evaluate and propose protection strategies for agricultural and natural systems from weeds, pests and plant diseases.

assessmentGradAttribute

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the **Student Academic Integrity Policy and Procedure**. This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?
A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?
A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?
For academic advice and guidance, the Academic Learning Centre (ALC) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?

Be Honest
If your assessment task is done by someone else, it would be dishonest of you to claim it as your own

Seek Help
If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)

Produce Original Work
Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem