

## In Progress

Please note that this Unit Profile is still in progress. The content below is subject to change.



# ENVR12002 *Applied Ecology*

## Term 2 - 2025

Profile information current as at 23/05/2025 07:12 pm

All details in this unit profile for ENVR12002 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

Applied Ecology is the science of understanding and managing natural living resources. Over-harvesting of exploited species, habitat loss, and the spread of invasive species are among the world's most pressing environmental issues. Solutions to these problems are complex, but firmly embedded in the fundamental tenets of ecological knowledge and theory. This unit will provide you with a broad perspective of the field of applied ecology by working across different ecological levels (ecosystem, community, population and species) and issues, in the process you will explore how ecological knowledge and theory is applied to the management of natural living resources.

### Details

Career Level: *Undergraduate*

Unit Level: *Level 2*

Credit Points: 6

Student Contribution Band: 8

Fraction of Full-Time Student Load: 0.125

### Pre-requisites or Co-requisites

Pre-requisites ZOOL11005 Foundation Animal Biology and BOTN11004 Foundation Plant Biology or BIOL11099 Living Systems and BIOL11100 Functional Biology or BIOL11102 and ENVR11014. Anti-requisite BIOL13031 - Ecology: Theory and Application

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 - 2025

- Mixed Mode
- 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

#### 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 Self-reflection.

##### **Feedback**

Students require additional support with data analysis and the capacity to extract meaning, and therefore reach informed conclusions/decisions.

##### **Recommendation**

Provide more scaffolding and support for students in the areas of data analysis and the role of data in decision making.

#### Feedback from SUTE Unit Comments Report.

##### **Feedback**

Timetabling of the residential school in Week 10 does not allow students sufficient time to complete the assessment.

##### **Recommendation**

Consider reducing the magnitude of the residential school assessment.

#### Feedback from SUTE Unit Comments Report.

##### **Feedback**

Spreading assessment across multiple smaller low risk items is highly beneficial.

##### **Recommendation**

Continue to use a low-risk assessment strategy within the unit.

## Unit Learning Outcomes

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

1. Describe how ecological principles are applied to the protection, management, and restoration of terrestrial and aquatic living resources and ecosystems
2. Discuss the elements, concepts, and theories of population and community structure and dynamics
3. Apply integrated knowledge of population, community and ecosystem ecology to real world situations using industry standard methods
4. Develop and utilise the skills necessary to undertake ecological fieldwork successfully and to analyse ecological data/models.

## Alignment of Learning Outcomes, Assessment and Graduate Attributes



### Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes			
	1	2	3	4
1 - Online Quiz(zes) - 40%	•	•		
2 - Practical Assessment - 30%		•	•	•
3 - Practical Assessment - 30%		•	•	•

## Alignment of Graduate Attributes to Learning Outcomes

Graduate Attributes	Learning Outcomes			
	1	2	3	4
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				

## Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 40%	•		•	•						
2 - Practical Assessment - 30%		•	•		•	•		•		
3 - Practical Assessment - 30%		•	•		•	•		•		

## Textbooks and Resources

Information for Textbooks and Resources has not been released yet.

This information will be available on Monday 23 June 2025

## Academic Integrity Statement

Information for Academic Integrity Statement has not been released yet.

This unit profile has not yet been finalised.