UNSW Course Outline

BEES3223 Restoration and Translocation Ecology - 2024

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General Course Information

Course Code : BEES3223
Year : 2024
Term : Term 2
Teaching Period : T2C
Is a multi-term course? : No
Faculty : Faculty of Science
Academic Unit : School of Biological, Earth and Environmental Sciences
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Undergraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

In this course, students will examine the principles and practices needed to restore terrestrial ecosystems, with a focus on the use of translocation. The course will include a one-week intensive field course based at the Wild Deserts project site, a UNSW ecosystem restoration and

translocation project in the far north-west of New South Wales. Lectures and workshops delivered during the week will explore the ecological principles of restoration, provide opportunities to learn a range of ecological techniques used to measure the success of restoration and monitor management actions, and how to use scientific practice to evaluate the outcomes of restoration projects.

The course requires students to travel to the Wild Deserts project site, and there will be costs associated with travel and accommodation to be borne by the student.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Explain and apply the key principles underpinning ecological restoration
CLO2 : Identify and describe appropriate restoration goals and evaluation strategies
CLO3 : Demonstrate an understanding of how translocation biology can be used to restore ecosystems
CLO4 : Demonstrate through monitoring and analysis techniques, the ability to assess the condition and threats to ecosystems.
CLO5 : Evaluate and assess the outcomes of ecological restoration

Course Learning Outcomes	Assessment Item
CLO1 : Explain and apply the key principles underpinning ecological restoration	• Restoration test
CLO2 : Identify and describe appropriate restoration goals and evaluation strategies	• Desert Ecology Presentation • Restoration test
CLO3 : Demonstrate an understanding of how translocation biology can be used to restore ecosystems	• Desert Ecology Presentation • Restoration test
CLO4 : Demonstrate through monitoring and analysis techniques, the ability to assess the condition and threats to ecosystems.	• Restoration ecology scientific report
CLO5 : Evaluate and assess the outcomes of ecological restoration	• Restoration ecology scientific report

Learning and Teaching Technologies

Moodle - Learning Management System

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Restoration ecology scientific report Assessment Format: Individual	50%	
Desert Ecology Presentation Assessment Format: Individual	25%	
Restoration test Assessment Format: Individual	25%	

Assessment Details

Restoration ecology scientific report

Assessment Overview

Students analyse a dataset and write a scientific from one of the workshops to test a hypothesis in the Wild Deserts Ecological Health and Monitoring Framework (e.g. they choose from the camera trapping dataset or vegetation quadrat dataset). Research projects will due after the face to face part of the short course by the end of T2C. Feedback will be provided within two weeks of submission.

Course Learning Outcomes

- CLO4 : Demonstrate through monitoring and analysis techniques, the ability to assess the condition and threats to ecosystems.
- CLO5 : Evaluate and assess the outcomes of ecological restoration

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
For more information on Generative AI and permitted use please see here.

Desert Ecology Presentation

Assessment Overview

Students will be given a research topic in desert ecology in advance. They will discuss the research topic with the course academics and instructors, who can also help students access resources. Students will present their research to others to the class and feedback will be

returned afterward.

Course Learning Outcomes

- CLO2 : Identify and describe appropriate restoration goals and evaluation strategies
- CLO3 : Demonstrate an understanding of how translocation biology can be used to restore ecosystems

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
For more information on Generative AI and permitted use please see here.

Restoration test

Assessment Overview

Students will take a test a the end of the short course on their understanding of key concepts in restoration ecology. The test will also include field skills such as identification (e.g. animal tracks and scats, ecosystem types, plant communities) and field techniques (e.g. animal capture and tagging). Feedback will be provided within one week.

Course Learning Outcomes

- CLO1 : Explain and apply the key principles underpinning ecological restoration
- CLO2 : Identify and describe appropriate restoration goals and evaluation strategies
- CLO3 : Demonstrate an understanding of how translocation biology can be used to restore ecosystems

Generative AI Permission Level

Not Applicable

Generative AI is not considered to be of assistance to you in completing this assessment. If you do use generative AI in completing this assessment, you should attribute its use.
For more information on Generative AI and permitted use please see here.

General Assessment Information

Grading Basis

Standard

Course Schedule

Attendance Requirements

Students must attend the entire field course

General Schedule Information

The field course takes place during T2C

Course Resources

Additional Costs

There is a cost of $360 for each student to cover travel and food expenses from Broken Hill to Wild Deserts. Students are responsible for their own travel from Sydney to Broken Hill

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
	Rebecca West					No	Yes
	Katherine Moseby					No	No

Other Useful Information

Academic Information

Upon your enrolment at UNSW, you share responsibility with us for maintaining a safe, harmonious and tolerant University environment.

You are required to:

- Comply with the University's conditions of enrolment.
- Act responsibly, ethically, safely and with integrity.
- Observe standards of equity and respect in dealing with every member of the UNSW community.
- Engage in lawful behaviour.
- Use and care for University resources in a responsible and appropriate manner.
- Maintain the University's reputation and good standing.

For more information, visit the UNSW Student Code of Conduct Website.

Academic Honesty and Plagarism

Referencing is a way of acknowledging the sources of information that you use to research your assignments. You need to provide a reference whenever you draw on someone else's words, ideas or research. Not referencing other people's work can constitute plagiarism.
Further information about referencing styles can be located at https://student.unsw.edu.au/referencing

Academic integrity is fundamental to success at university. Academic integrity can be defined as a commitment to six fundamental values in academic pursuits: honesty, trust, fairness, respect, responsibility and courage. At UNSW, this means that your work must be your own, and others' ideas should be appropriately acknowledged. If you don't follow these rules, plagiarism may be detected in your work.
Further information about academic integrity, plagiarism and the use of AI in assessments can be located at:

- The Current Students site,
- The ELISE training site, and
- The Use of AI for assessments site.

The Student Conduct and Integrity Unit provides further resources to assist you to understand your conduct obligations as a student: https://student.unsw.edu.au/conduct

Submission of Assessment Tasks

Penalty for Late Submissions
UNSW has a standard late submission penalty of:

- 5% per day,
- for all assessments where a penalty applies,
- capped at five days (120 hours) from the assessment deadline, after which a student cannot submit an assessment, and
- no permitted variation.

Any variations to the above will be explicitly stated in the Course Outline for a given course or assessment task.

Students are expected to manage their time to meet deadlines and to request extensions as early as possible before the deadline.

Special Consideration

If circumstances prevent you from attending/completing an assessment task, you must officially apply for special consideration, usually within 3 days of the sitting date/due date. You can apply by logging onto myUNSW and following the link in the My Student Profile Tab. Medical documentation or other documentation explaining your absence must be submitted with your application. Once your application has been assessed, you will be contacted via your student email address to be advised of the official outcome and any actions that need to be taken from there. For more information about special consideration, please visit: https://student.unsw.edu.au/special-consideration

Important note: UNSW has a "fit to sit/submit" rule, which means that if you sit an exam or submit a piece of assessment, you are declaring yourself fit to do so and cannot later apply for Special Consideration. This is to ensure that if you feel unwell or are faced with significant circumstances beyond your control that affect your ability to study, you do not sit an examination or submit an assessment that does not reflect your best performance. Instead, you should apply for Special Consideration as soon as you realise you are not well enough or are otherwise unable to sit or submit an assessment.

Faculty-specific Information

Additional support for students

- The Current Students Gateway
- Student Support
- Academic Skills and Support
- Student Wellbeing, Health and Safety
- Equitable Learning Services
- UNSW IT Service Centre
- Science EDI Student Initiatives, Offerings and Guidelines