

ENVL 2009 ECOSYSTEM RESTORATION

Credit Points 10

Coordinator Christa Beckmann ([https://directory.westernsydney.edu.au/search/name/Christa Beckmann/](https://directory.westernsydney.edu.au/search/name/Christa%20Beckmann/))

Description Ecosystem Restoration will cover the most widely used and successful management strategies employed to conserve and restore native species and communities facing land degradation and major threats. This subject will cover policy requirements and active management strategies involved in rewilding, ecological restoration, reintroductions, translocations, and their implementation at local, national and global levels. You will explore the full range of concepts and tools for conservation management. This subject will focus on restoration and conservation from individuals to landscapes. Indigenous and industry groups will guide workshop discussions. Its focus is ecological, although consideration is also given to socio-economic factors that influence restoration programs.

School Science

Discipline Environmental Studies

Student Contribution Band

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

Level Undergraduate Level 2 subject

Restrictions

Successful completion of 40 credit points at Level 1.

Learning Outcomes

1. Explain the principles and objectives of conservation and restoration measures.
2. Appraise the various restoration approaches and techniques and the conditions to which each is most suited
3. Assess optimal conservation actions and 'on-ground' techniques based on condition assessments
4. Effectively communicate ecosystem restoration project outcomes to diverse audiences.

Subject Content

1. Principles and objectives of ecological restoration
2. Biodiversity assessment methods in the context of biodiversity, indigenous elements and conservation policy
3. Components required (including Indigenous perspectives) to design optimal conservation strategies and monitor success
4. Species-centric and ecosystem-centric approaches to conservation
5. Toolbox for ecological restoration covering a range of approaches

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.

Item	Length	Percent	Threshold	Individual/Group Task
Quizzes	60 minutes each	30	N	Individual
Report	2000 words	30	N	Group
Applied Project	1000 words	40	N	Individual

Prescribed Texts

- Restoring natural areas in Australia R. A. Buchanan Ed, 2017 NSW Industry and Investment ISBN : 9780731306213
- Plant conservation : the role of habitat restoration S. Volis 2018 Cambridge University Press, ISBN : 1108727336

Teaching Periods