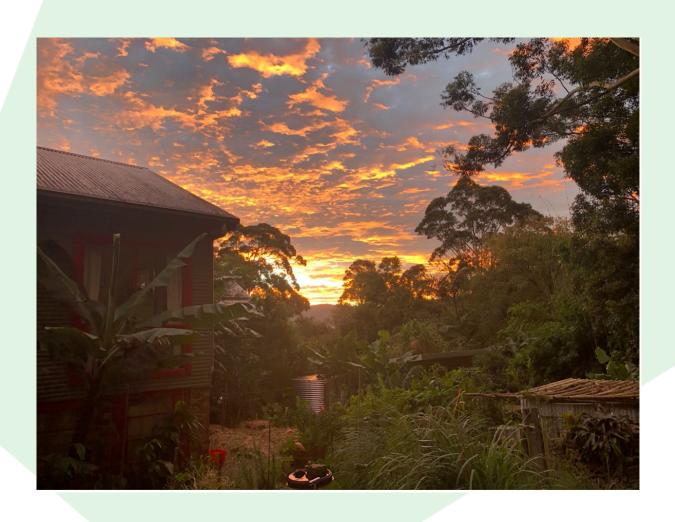# IEST6001

Restorative Ecologies: Permaculture Principles & Practice

Term 2, 2022

# Course Overview

## Staff Contact Details

### Convenors

| Name | Email | Availability | Location | Phone |
|------|-------|-------------|----------|-------|
| Jacqui Besgrove | j.besgrove@unsw.edu.au | By appointment during consultation hours (Thursdays 4:30 pm – 5:30 pm). In person or online. | TBC | NA |

## School Contact Information

School of Humanities & Languages

Location: School Office, Morven Brown Building, Level 2, 258

Opening Hours: Monday - Friday, 9am - 5pm

Tel: 02 9348 0406

Email: hal@unsw.edu.au

## Acknowledgement of Country

UNSW Arts, Design and Architecture Kensington and Paddington campuses are built on Aboriginal Lands. We pay our respects to the Bidjigal and Gadigal peoples who are the Custodians of these lands. We acknowledge the Aboriginal and Torres Strait Islander peoples, the First Australians, whose lands, winds and waters we all now share, and pay respect to their unique values, and their continuing and enduring cultures which deepen and enrich the life of our nation and communities.



Image courtesy of the Office of the Pro Vice-Chancellor Indigenous UNSW's Indigenous strategy

# Course Details

## Units of Credit 6

## Summary of the Course

This course will introduce foundational concepts of the ethics and principles of permaculture, a regenerative systems approach founded in Australia and global in impact. In this course, you will gain confidence in permaculture restorative frameworks and methodologies in the contexts of environmental management, leadership, and sustainability. Permaculture design seeks to reconnect people with ecological processes, inter-relationships, and interdependence of living things and to integrate these knowledges to tend to ecosystems in ways that care for the Earth, care for people, and use a fair share of resources. Permaculture has an important role to play in the rapid transition to zero carbon or net negative carbon through restorative and regenerative ecological, social, and cultural practices. The course will have a focus on implementing permaculture solutions, demonstrating how theory learned during seminars applies to real world systems. In successfully completing this course, you will develop applied skills to design and implement urban/suburban permaculture solutions and you will earn a permaculture design certificate.

## Course Learning Outcomes

1. Explain ecological and social components of permaculture
2. Identify how permaculture ethics and principles inform design for reconnecting humans with/as "nature" while providing abundance
3. Demonstrate the fundamentals of ecosystem structure and function
4. Integrate the key principles of water, soil, climate, trees, plants and social permaculture
5. Apply permaculture design methodology to environment and society situations and settings

## Teaching Strategies

Teaching Strategies for IEST6001 engage two formats:

1. In-class seminars in permaculture design help you develop an understanding of permaculture ethics and principles. Key theoretical concepts regarding water, soil, climate, trees, plants, seeds, and society aimed at developing knowledge of natural patterns will inform design. Key theoretical design concepts are coupled with examples of permaculture in action.

2. Research-service-learning field study seminars introduce you to various permaculture sites including small urban properties, suburban sites, and community and urban farm scale sites. You will be expected to participate in practical experience as part of an energy exchange to compensate land custodians for their time. The field component is designed to apply and build upon the theory and concepts covered during the in-class component of the course.

# Assessment

| Assessment task | Weight | Due Date | Course Learning Outcomes Assessed |
|---|---|---|---|
| 1. Site analysis and concept design | 30% | 06/07/2022 11:59 PM | 1, 2, 3 |
| 2. Design and implementation report | 50% | 03/08/2022 11:59 PM | 1, 2, 3, 4 |
| 3. Design presentation | 20% | 04/08/2021 06:00 PM | 1, 2, 3, 4, 5 |

## Assessment 1: Site analysis and concept design

**Assessment length:** 1,000 words (not including attachments) plus concept design drawing
**Due date:** 06/07/2022 11:59 PM

Students will choose an urban, suburban or rural site they are particularly interested/connected to and will complete a site analysis and concept design (up to 1,000 words + design). This site will be the subject of the major design assessment.

In addition to marks, feedback will be given via written comments and will highlight strengths and areas where improvement could be made.

This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

## Assessment 2: Design and implementation report

**Assessment length:** 2,000 words plus design
**Due date:** 03/08/2022 11:59 PM

With guidance from the course convener, students will complete a permaculture design for their chosen site. This report can be researched individually or in small groups, but each student submits an individual design and implementation report (up to 2,000 words + design).

In addition to marks, feedback on design and report will be given via written feedback highlighting areas of merit and where improvement could be made.

This assignment is submitted through Turnitin and students do not see Turnitin similarity reports.

## Assessment 3: Design presentation

**Assessment length:** NA
**Submission notes:** Submit by due date or present live in class.
**Due date:** 04/08/2021 06:00 PM

The final week of the course will allow students to present their design to the class. The presentation should take around 30 minutes.

In addition to marks, questions and feedback will be given following the presentation.

This is not a Turnitin assignment

# Attendance Requirements

Students are strongly encouraged to attend all classes and review lecture recordings.

# Course Schedule

[View class timetable](#)

## Timetable

| Date | Type | Content |
|------|------|---------|
| O week: 23 May - 27 May | Reading | O week is your preparation week. Once the course Moodle is live, read over the course contents closely to prepare yourself for the start of seminars, beginning Week 1. |
| Week 1: 30 May - 3 June | Seminar | The first week is an interactive seminar that introduces the whole course. We will consider:<br><br>• Acknowledgement of country, introductions, course expectations and housekeeping.<br>• What is permaculture?<br>• Permaculture history and future opportunities<br>• An ecological perspective.<br>• Permaculture ethics.<br>• Introduction to design methods - site selection.<br>• Field trip logistics |
| Week 2: 6 June - 10 June | Seminar | Principles of ecology, map reading, Zone 0 - Siting, building and furnishing eco-homes, Zone 1: Home food gardens and site analysis |
| Week 3: 13 June - 17 June | Seminar | Water and landscape, rejuvenating soil, earthworks, Zone 2: orchards, food forests and small animals, design graphics and creative problem solving |
| Week 4: 20 June - 24 June | Homework | Designing with climate, microclimate, plants in permaculture, forests, windbreaks, Zone 3 - cropping and large animals, Zone 4 Restorative forests, Zone 5 Natural forests and world climate biozones. |

| Week 5: 27 June - 1 July | Homework | Study break |
|---|---|---|
| Week 6: 4 July - 8 July | Homework | Study break |
| | Assessment | Site analysis and concept design |
| Week 7: 11 July - 15 July | Seminar | Friday 15th July – Sydney fieldtrip<br><br>Saturday 16th July – Wollongong fieldtrip<br><br>Overnight accommodation is not provided.<br><br>Bioregions-collective self-sufficiency, ethical money, hands on experience with earthworks and building no dig gardens |
| Week 8: 18 July - 22 July | Homework | Study break |
| Week 9: 25 July - 29 July | Seminar | Integrated pest management, living with weeds, aquaculture, wild friends. Permaculture and ethical workplace / businesses, land ownership, land ethics and access, legal structures, designing communities, designing cities. |
| Week 10: 1 August - 5 August | Seminar | Design presentations, working in permaculture, PDC graduate responsibilities. |
| | Assessment | Design and implementation report |

# Resources

## Prescribed Resources

Your key readings and other materials will be available via your Moodle site.

## Recommended Resources

You are expected to make good use of the readings provided for the course, and to read beyond those materials for your assignments. Independent research is expected. The following resources are available from the UNSW Library and are recommended:

[Earthusers Guide to Permaculture](on order, should be in UNSW library shortly!)

Rosemary Morrow

Hepburn, Vic. : Melliodora Publishing. Second Edition. 2015


**[Permaculture : principles & pathways beyond sustainability](#)**

David Holmgren

Hepburn, Vic. : Holmgren Design Services, 2002


[Permaculture : a designers' manual](#)

B. C. Mollison ; Andrew Jeeves 1956-

Tyalgum, N.S.W. : Tagari Publications, 1988


[Permaculture one : a perennial agriculture for human settlements](#)

B. C. Mollison ; David Holmgren

Tyalgum, NSW : Tagari Publications, 1987


[Permaculture two : practical design for town and country in permanent agriculture](#)

B. C. Mollison

Stanley, Tas. : Tagari, 1979

## RetroSuburbia : the downshifter's guide to a resilient future

Holmgren, David.

Hepburn Springs, Vic. : Melliodora Publishing, 2018

## The transition : to a sustainable and just world

F. E. Trainer

Canterbury, N.S.W. : Envirobook, c2010

## The Politics of Permaculture.

Terry. Leahy

1st ed., London : Pluto Press, 2021

**VIDEO**

## Global Gardener

B.C. Mollison ; Tony Gailey ; Julian Russell ; Film Australia

c1991

# Course Evaluation and Development

This is a new course, created as part of the larger revision of the Master of Environmental Management program launched in 2021. Past experience and student feedback on the UNSW online survey tool myExperience indicates the importance of students doing close and careful reading of the weekly assigned readings before attending seminars, engaged student participation in class discussions and field trips, and of student independent research.

# Submission of Assessment Tasks

## Turnitin Submission

If you encounter a problem when attempting to submit your assignment through Turnitin, please telephone External Support on 9385 3331 or email them on externalteltsupport@unsw.edu.au . Support hours are 8:00am – 10:00pm on weekdays and 9:00am – 5:00pm on weekends (365 days a year). If you are unable to submit your assignment due to a fault with Turnitin you may apply for an extension, but you must retain your ticket number from External Support (along with any other relevant documents) to include as evidence to support your extension application. If you email External Support you will automatically receive a ticket number, but if you telephone you will need to specifically ask for one. Turnitin also provides updates on their system status on Twitter.

Generally, assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, it will be stated on your course's Moodle site with alternative submission details.

For information on how to submit assignments online via Moodle: https://student.unsw.edu.au/how-submit-assignment-moodle

# Academic Honesty and Plagiarism

Plagiarism is using the words or ideas of others and presenting them as your own. It can take many forms, from deliberate cheating to accidentally copying from a source without acknowledgement.

**UNSW groups plagiarism into the following categories:**

**Copying:** Using the same or very similar words to the original text or idea without acknowledging the source or using quotation marks. This includes copying materials, ideas or concepts from a book, article, report or other written document, presentation, composition, artwork, design, drawing, circuitry, computer program or software, website, internet, other electronic resource, or another person's assignment without appropriate acknowledgement.

**Inappropriate paraphrasing:** Changing a few words and phrases while mostly retaining the original information, structure and/or progression of ideas of the original without acknowledgement. This also applies in presentations where someone paraphrases another's ideas or words without credit and to piecing together quotes and paraphrases into a new whole, without appropriate referencing.

**Collusion:** Working with others but passing off the work as a person's individual work. Collusion also includes providing your work to another student for the purpose of them plagiarising, paying another person to perform an academic task, stealing or acquiring another person's academic work and copying it, offering to complete another person's work or seeking payment for completing academic work.

**Inappropriate citation:** Citing sources which have not been read, without acknowledging the "secondary" source from which knowledge of them has been obtained.

**Duplication ("self-plagiarism")**: Submitting your own work, in whole or in part, where it has previously been prepared or submitted for another assessment or course at UNSW or another university.

**Correct referencing practices**

The UNSW Academic Skills support offers resources and individual consultations. Students are also reminded that careful time management is an important part of study. One of the identified causes of plagiarism is poor time management. Students should allow sufficient time for research, drafting and proper referencing of sources in preparing all assessment items.

UNSW Library has the ELISE tool available to assist you with your study at UNSW. ELISE is designed to introduce new students to studying at UNSW but it can also be a great refresher during your study. Completing the ELISE tutorial and quiz will enable you to:

- analyse topics, plan responses and organise research for academic writing and other assessment tasks
- effectively and efficiently find appropriate information sources and evaluate relevance to your needs
- use and manage information effectively to accomplish a specific purpose
- better manage your time
- understand your rights and responsibilities as a student at UNSW
- be aware of plagiarism, copyright, UNSW Student Code of Conduct and Acceptable Use of UNSW ICT Resources Policy
- be aware of the standards of behaviour expected of everyone in the UNSW community
- locate services and information about UNSW and UNSW Library

# Academic Information

Due to evolving advice by NSW Health, students must check for updated information regarding online learning for all Arts, Design and Architecture courses this term (via Moodle or course information provided.)

For essential student information relating to:

- requests for extension;
- late submissions guidelines;
- review of marks;
- UNSW Health and Safety policies;
- examination procedures;
- special consideration in the event of illness or misadventure;
- student equity and disability;
- and other essential academic information, see

https://www.unsw.edu.au/arts-design-architecture/student-life/resources-support/protocols-guidelines

# Image Credit

By Jacqui Besgrove. Sunrise in Wollongong.

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