



IEST6001

Restorative Ecologies: Permaculture Principles & Practice

Term Two // 2021

Course Overview

Staff Contact Details

Convenors

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

School Contact Information

School of Humanities and Languages

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

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

Phone: +61 2 9385 1681

Fax: +61 2 9385 8705

Email: hal@unsw.edu.au

Course Details

Credit Points 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 Tasks

Assessment task	Weight	Due Date	Student Learning Outcomes Assessed
Site analysis and concept design	30%	06/07/2021 11:00 PM	1, 2, 3
Design and implementation report	50%	03/08/2021 11:00 PM	1, 2, 3, 4
Design presentation	20%	Not Applicable	1, 2, 3, 4, 5

Assessment Details

Assessment 1: Site analysis and concept design

Start date: Not Applicable

Length: 1,000 words (not including attachments) plus concept design drawing

Details:

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.

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

Assessment 2: Design and implementation report

Length: 2,000 words plus design

Details:

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.

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

Assessment 3: Design presentation

Length: NA

Details:

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.

Turnitin setting: 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
Week 1: 31 May - 4 June	Seminar	The first week is an interactive seminar that introduces the whole course. We will consider: <ul style="list-style-type: none"> • Acknowledgement of country, introductions, course expectations and housekeeping. • What is permaculture? • Permaculture history and future opportunities • An ecological perspective. • Permaculture ethics. • Introduction to design methods - site selection. • Field trip logistics
Week 2: 7 June - 11 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: 15 June - 18 June	Seminar	Water and landscape, rejuvenating soil, earthworks, Zone 2: orchards, food forests and small animals, design graphics and creative problem solving
Week 4: 21 June - 25 June	Seminar	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: 28 June - 2 July	Homework	Study break
Week 6: 5 July - 9 July	Homework	Study break
Week 7: 12 July - 16 July	Fieldwork	Friday 16th July – Sydney fieldtrip Saturday 17th July – Wollongong fieldtrip Overnight accommodation is not provided. Bioregions-collective self-sufficiency, ethical money, hands on experience with earthworks and building no dig garden
Week 8: 19 July - 23 July	Seminar	Income from acres, integrated pest management, living with weeds, aquaculture, wild friends.

Week 9: 26 July - 30 July	Homework	Study break
Week 10: 2 August - 6 August	Seminar	Permaculture and ethical workplace / businesses, land ownership, land ethics and access, legal structures, designing communities, designing cities.

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:

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

David. Holmgren ; Holmgren Design Services.

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

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 also applies to images, art and design projects, as well as presentations where someone presents another's ideas or words without credit.

Inappropriate paraphrasing: Changing a few words and phrases while mostly retaining the original structure and/or progression of ideas of the original, and information 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 before the due date, or for the purpose of them plagiarising at any time, 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:

- Paraphrasing, summarising, essay writing and time management
- Appropriate use of and attribution for a range of materials including text, images, formulae and concepts.

Individual assistance is available on request from The Learning Centre (<http://www.lc.unsw.edu.au/>). Students are also reminded that careful time management is an important part of study and 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 also 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

Some of these areas will be familiar to you, others will be new. Gaining a solid understanding of all the related aspects of ELISE will help you make the most of your studies at UNSW.

<http://subjectguides.library.unsw.edu.au/elise/aboutelise>

Academic Information

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.arts.unsw.edu.au/current-students/academic-information/protocols-guidelines/>

Image Credit

By Jacqui Besgrove. Sunrise in Wollongong.

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Acknowledgement of Country

We acknowledge the Bedegal people who are the traditional custodians of the lands on which UNSW Kensington campus is located.