UNSW Course Outline

BENV7502 Geodesign - 2024

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General Course Information

Course Code : BENV7502
Year : 2024
Term : Term 3
Teaching Period : T3
Is a multi-term course? : No
Faculty : Faculty of Arts, Design and Architecture
Academic Unit : School of Built Environment
Delivery Mode : In Person
Delivery Format : Standard
Delivery Location : Kensington
Campus : Sydney
Study Level : Postgraduate
Units of Credit : 6

Useful Links

Handbook Class Timetable

Course Details & Outcomes

Course Description

In this course you will be introduced to the fundamental theory, concepts and frameworks of geodesign. Geodesign is a design and planning method which tightly couples the creation of design, landscape and city planning with simulations informed by geographic contexts, systems thinking and digital technology. You will develop a greater understanding of data driven decision

support tools to support city planning, and will engage with the geodesign process by reviewing case studies including specific case study applications.

Course Learning Outcomes

Course Learning Outcomes
CLO1 : Define “geodesign” and its goals.
CLO2 : Describe the basic historic and contemporary foundations of geodesign theory.
CLO3 : Identify a geographic problem and propose a method for solving the problem.
CLO4 : Demonstrate a working knowledge of the geodesign process through via collaborative project development.

Course Learning Outcomes	Assessment Item
CLO1 : Define “geodesign” and its goals.	• Tutorial reflections • Final project and presentation
CLO2 : Describe the basic historic and contemporary foundations of geodesign theory.	• Tutorial reflections • Final project and presentation
CLO3 : Identify a geographic problem and propose a method for solving the problem.	• Progressive Geodesign Assignment • Tutorial reflections • Final project and presentation
CLO4 : Demonstrate a working knowledge of the geodesign process through via collaborative project development.	• Progressive Geodesign Assignment

Learning and Teaching Technologies

Moodle - Learning Management System

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Tutorial reflections Assessment Format: Individual	20%	Start Date: Not Applicable Due Date: Two weeks after each class
Final project and presentation Assessment Format: Individual	60%	Start Date: Not Applicable Due Date: 24/11/2024 11:55 PM
Progressive Geodesign Assignment Assessment Format: Individual	20%	Start Date: Not Applicable Due Date: Two weeks after each topic taught

Assessment Details

Tutorial reflections

Assessment Overview

You will submit brief written reflections on discussions held during class tutorials. You will receive written feedback.

Course Learning Outcomes

- CLO1 : Define “geodesign” and its goals.
- CLO2 : Describe the basic historic and contemporary foundations of geodesign theory.
- CLO3 : Identify a geographic problem and propose a method for solving the problem.

Assignment submission Turnitin type

Not Applicable

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.

Final project and presentation

Assessment Overview

In this assignment you will develop a proposal for a geodesign workshop, bringing together your reflections on geodesign developed throughout the course, as well as mapping techniques and independent research. Your final submission will include the design work, as well as a short report and a brief presentation. You will receive written feedback and a mark using a rubric.

Course Learning Outcomes

- CLO1 : Define “geodesign” and its goals.
- CLO2 : Describe the basic historic and contemporary foundations of geodesign theory.
- CLO3 : Identify a geographic problem and propose a method for solving the problem.

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Generative AI Permission Level

Planning/Design Assistance

You are permitted to use generative AI tools, software or services to generate initial ideas, structures, or outlines. However, you must develop or edit those ideas to such a significant extent that what is submitted is your own work, i.e., what is generated by the tool, software or service should not be a part of your final submission. You should keep copies of your iterations to show your Course Authority if there is any uncertainty about the originality of your work.
If your Convenor has concerns that your answer contains passages of AI-generated text or media that have not been sufficiently modified you may be asked to explain your work, but we recognise that you are permitted to use AI generated text and media as a starting point and some traces may remain. If you are unable to satisfactorily demonstrate your understanding of your submission you may be referred to UNSW Conduct & Integrity Office for investigation for academic misconduct and possible penalties.
For more information on Generative AI and permitted use please see here.

Progressive Geodesign Assignment

Assessment Overview

For this assignment you will undertake a series of short tasks, designed to incrementally build your geodesign skills and knowledge. Working in small groups, you will develop your skills in strategising, negotiating, scoping a project, and mapping key issues. You will receive feedback using a marking rubric.

Course Learning Outcomes

- CLO3 : Identify a geographic problem and propose a method for solving the problem.
- CLO4 : Demonstrate a working knowledge of the geodesign process through via collaborative project development.

Assignment submission Turnitin type

This assignment is submitted through Turnitin and students can see Turnitin similarity reports.

Generative AI Permission Level

Planning/Design Assistance

You are permitted to use generative AI tools, software or services to generate initial ideas, structures, or outlines. However, you must develop or edit those ideas to such a significant extent that what is submitted is your own work, i.e., what is generated by the tool, software or service should not be a part of your final submission. You should keep copies of your iterations to show your Course Authority if there is any uncertainty about the originality of your work.
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General Assessment Information

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 9 September - 15 September	Activity	Introduction to the geodesign course In class discussions
Week 2 : 16 September - 22 September	Activity	Working with Geoplanner Geodesign framework
Week 3 : 23 September - 29 September	Activity	Geodesign examples Geodesign questions and iterations, scoping the geodesign study
Week 4 : 30 September - 6 October	Activity	Geodesign methodology Geodesign collaboration
Week 5 : 7 October - 13 October	Activity	Planning and design for future through geodesign methodology Global Geodesign collaboration Review and discussion of the materials
Week 6 : 14 October - 20 October	Other	Flexibility week - No class Prepare for geodesign workshops
Week 7 : 21 October - 27 October	Workshop	Global Geodesign collaboration - workshop
Week 8 : 28 October - 3 November	Workshop	Global Geodesign collaboration - workshop
Week 9 : 4 November - 10 November	Workshop	Global Geodesign collaboration - workshop
Week 10 : 11 November - 17 November	Workshop	Global Geodesign collaboration - workshop
Week 11 : 18 November - 24 November	Presentation	

Attendance Requirements

Please note that lecture recordings are not available for this course. Students are strongly encouraged to attend all classes and contact the Course Authority to make alternative arrangements for classes missed.

Course Resources

Prescribed Resources

Please see Moodle weekly sections for the resources.

Recommended Resources

Please see Moodle weekly sections for the resources.

Course Evaluation and Development

We encourage and support students to maintain regular contact with the course convenor to provide informal feedback throughout the course. For specific issues or detailed feedback, please arrange a meeting with the course convenor via email.

In this course there is an option for students to provide anonymous feedback via the course's Moodle page, which is directly sent to the convenor. As a final step, students are invited to share their insights and experiences by completing the MyExperience survey. The feedback gathered each year is integral to the continuous enhancement and development of the course.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Sara Shirowz han		Room 2018, Red Centre		Thursdays after class	Yes	Yes

Other Useful Information

Academic Information

For essential student information relating to:

- UNSW and Faculty policies and procedures;
- Student Support Services;
- Student equity and disability;
- Special Consideration in the event of illness or misadventure;
- Examination information;
- Review of results;

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

Academic Honesty and Plagarism

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.

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

Use of AI for assessments

As AI applications continue to develop, and technology rapidly progresses around us, we remain committed to our values around academic integrity at UNSW. Where the use of AI tools, such as ChatGPT, has been permitted by your course convener, they must be properly credited and your submissions must be substantially your own work.

In cases where the use of AI has been prohibited, please respect this and be aware that where unauthorised use is detected, penalties will apply.

Use of AI for assessments | UNSW Current Students

Submission of Assessment Tasks

Assessment tasks must be submitted electronically via either Turnitin or a Moodle assignment. In instances where this is not possible, alternative submission details will be stated on your course's Moodle site. For information on how to submit assignments online via Moodle: https://student.unsw.edu.au/how-submit-assignment-moodle

Late Submission Penalty

UNSW has a standard late submission penalty of:

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

Students are expected to manage their time to meet deadlines and to request Special Consideration as early as possible before the deadline. Support with Time Management is available here.

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.

School Contact Information

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