



UNSW Course Outline

CODE3201 Graduation Project: Theory - 2024

Published on the 17 May 2024

General Course Information

Course Code : CODE3201

Year : 2024

Term : Term 2

Teaching Period : T2

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 : Undergraduate

Units of Credit : 6

Useful Links

[Handbook Class Timetable](#)

Course Details & Outcomes

Course Description

Graduation Project: Theory is the culmination of the Computational Design specialisation in the Bachelor of Design degree. You will research and write a thesis informed by computational design theory and underpinned by your project/practice work in FADA3030 Design Collaboration

Studio 3. The course activities focus on developing your knowledge of theoretical concepts and research skills in relation to practice.

Course Learning Outcomes

Course Learning Outcomes
CL01 : Demonstrate rigorous research and inquiry skills within the context of practice-based computational design project.
CL02 : Synthesise interdisciplinary knowledge using computational design thinking and methods.
CL03 : Demonstrate the ethical application of digital technologies in a professional context using conceptual and theoretical understanding.
CL04 : Author a scholarly thesis that communicates a computational design research project.
CL05 : Formulate innovative and entrepreneurial solutions by applying computational design knowledge and technologies.

Course Learning Outcomes	Assessment Item
CL01 : Demonstrate rigorous research and inquiry skills within the context of practice-based computational design project.	<ul style="list-style-type: none">• Literature Review• Research Abstract• Research Thesis
CL02 : Synthesise interdisciplinary knowledge using computational design thinking and methods.	<ul style="list-style-type: none">• Literature Review• Research Abstract• Research Thesis
CL03 : Demonstrate the ethical application of digital technologies in a professional context using conceptual and theoretical understanding.	<ul style="list-style-type: none">• Literature Review• Research Thesis
CL04 : Author a scholarly thesis that communicates a computational design research project.	<ul style="list-style-type: none">• Research Thesis
CL05 : Formulate innovative and entrepreneurial solutions by applying computational design knowledge and technologies.	<ul style="list-style-type: none">• Research Abstract• Literature Review• Research Thesis

Learning and Teaching Technologies

Moodle - Learning Management System | Microsoft Teams | Echo 360

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Literature Review Assessment Format: Individual	30%	Start Date: Not Applicable Due Date: Week 4: 17 June - 23 June
Research Abstract Assessment Format: Individual	30%	Start Date: Not Applicable Due Date: Week 8: 15 July - 21 July
Research Thesis Assessment Format: Individual	40%	Start Date: Not Applicable Due Date: Week 12: 12 August - 18 August

Assessment Details

Literature Review

Assessment Overview

You will produce a literature review of computational design research articles, explaining their conceptual and methodological relevance to your project. Feedback will be given through the learning management system and the level of achievement will be indicated against the assignment criteria rubric as well as a section for additional comments. Feedback will also be given verbally in class where applicable.

Course Learning Outcomes

- CL01 : Demonstrate rigorous research and inquiry skills within the context of practice-based computational design project.
- CL02 : Synthesise interdisciplinary knowledge using computational design thinking and methods.
- CL03 : Demonstrate the ethical application of digital technologies in a professional context using conceptual and theoretical understanding.
- CL05 : Formulate innovative and entrepreneurial solutions by applying computational design knowledge and technologies.

Detailed Assessment Description

Refer to Moodle > Assessment Hub > Assessment Briefs for the detailed assessment description

Assessment Length

1000 words minimum

Assessment information

SIMPLE EDITING ASSISTANCE

For this assessment task, you may use AI-based software to research and prepare prior to completing the creation of your assessment. You are permitted to use standard editing and referencing functions in word processing software, such as spelling and grammar checking and reference citation generation (i.e. EndNote) in the creation of your submission. You must not use any functions that generate or paraphrase [or translate] passages of text, whether based on your own work or not.

Please note that your submission will be passed through an AI-generated text detection tool. If your marker has concerns that your answer contains passages of AI-generated text you may be asked to explain your work. 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.

Assignment submission Turnitin type

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

Research Abstract

Assessment Overview

You will author an abstract for your computational design research project that includes a title and key words, research motivation, the problem or opportunity being addressed, the specific research methods employed, and the anticipated outcomes and research contribution. Grading will be done against assessment criteria accompanied by written feedback.

Course Learning Outcomes

- CL01 : Demonstrate rigorous research and inquiry skills within the context of practice-based computational design project.
- CL02 : Synthesise interdisciplinary knowledge using computational design thinking and methods.
- CL05 : Formulate innovative and entrepreneurial solutions by applying computational design knowledge and technologies.

Detailed Assessment Description

Refer to Moodle > Assessment Hub > Assessment Briefs for the detailed assessment description

Assessment Length

400 words minimum

Assessment information

SIMPLE EDITING ASSISTANCE

For this assessment task, you may use AI-based software to research and prepare prior to completing the creation of your assessment. You are permitted to use standard editing and referencing functions in word processing software, such as spelling and grammar checking and reference citation generation (i.e. EndNote) in the creation of your submission. You must not use any functions that generate or paraphrase [or translate] passages of text, whether based on your own work or not.

Please note that your submission will be passed through an AI-generated text detection tool. If your marker has concerns that your answer contains passages of AI-generated text you may be asked to explain your work. 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.

Assignment submission Turnitin type

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

Research Thesis

Assessment Overview

You will produce a research thesis that communicates your computational design research project and situates it in relation to concepts and existing research in the computational design field. The research thesis will include an introduction and research motivation, research aims, research question, literature review, methodology and methods, case study, and discussion and conclusion. Grading will be done against assessment criteria accompanied by written feedback.

Course Learning Outcomes

- CL01 : Demonstrate rigorous research and inquiry skills within the context of practice-based computational design project.
- CL02 : Synthesise interdisciplinary knowledge using computational design thinking and methods.
- CL03 : Demonstrate the ethical application of digital technologies in a professional context using conceptual and theoretical understanding.
- CL04 : Author a scholarly thesis that communicates a computational design research project.
- CL05 : Formulate innovative and entrepreneurial solutions by applying computational design knowledge and technologies.

Detailed Assessment Description

Refer to Moodle > Assessment Hub > Assessment Briefs for the detailed assessment description

Assessment Length

4000-6000 words approximately

Assessment information

SIMPLE EDITING ASSISTANCE

For this assessment task, you may use AI-based software to research and prepare prior to completing the creation of your assessment. You are permitted to use standard editing and referencing functions in word processing software, such as spelling and grammar checking and reference citation generation (i.e. EndNote) in the creation of your submission. You must not use any functions that generate or paraphrase [or translate] passages of text, whether based on your own work or not.

Please note that your submission will be passed through an AI-generated text detection tool. If your marker has concerns that your answer contains passages of AI-generated text you may be asked to explain your work. 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.

Assignment submission Turnitin type

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

General Assessment Information

Detailed Assessment Briefs can be found on the Moodle course homepage in the Assessment Hub section.

Where assessments require inclusion of references please follow Harvard style referencing system.

For information on how to cite sources using the Harvard 'in-text' referencing system see: <https://www.student.unsw.edu.au/harvard-referencing>

USE OF GENERATIVE AI TOOLS IN THIS COURSE: SIMPLE EDITING ASSISTANCE

You may use AI-based software to research and prepare prior to completing the creation of your

assessment. You are permitted to use standard editing and referencing functions in word processing software, such as spelling and grammar checking and reference citation generation (i.e. EndNote) in the creation of your submission. You must not use any functions that generate or paraphrase [or translate] passages of text, whether based on your own work or not.

Please note that your submission will be passed through an AI-generated text detection tool. If your marker has concerns that your answer contains passages of AI-generated text you may be asked to explain your work. 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.

Grading Basis

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 0 : 20 May - 26 May	Online Activity	Complete Moodle Checklist
	Reading	Collect and read research material relevant to your research project. Note: If your design research project requires the use of digital fabrication machines and robots in the Design Futures Lab please contact the DFL and notify them of your expected fabrication dates.
Week 1 : 27 May - 2 June	Lecture	Designing Design Research: Introduction
	Activity	In-class activity: Starting with the why? And the 'so what' question? In-class activity: Drafting the Research Motivation statement (Learning Step 1)
Week 2 : 3 June - 9 June	Lecture	Running your Project up the Flagpole: The literature review
	Tutorial	In-class activity: Literature analysis exercise
Week 3 : 10 June - 16 June	Lecture	Constructing the Research Question
	Tutorial	In-class activity: Research Question Roast (Learning Step 2)
Week 4 : 17 June - 23 June	Lecture	Action Design Research: Methodology versus Method
	Tutorial	In-class activity: Methodology and Methods (Learning Step 3)
	Assessment	Assignment 1 Literature Review due Refer to Moodle/Turnitin for submission details
Week 5 : 24 June - 30 June	Lecture	Lessons in Brevity: Art of the Abstract
	Tutorial	In-class activity: Abstract Writing & Analysis
Week 6 : 1 July - 7 July	Other	FLEXI WEEK NO LECTURE / NO TUTORIAL
Week 7 : 8 July - 14 July	Lecture	Drilling Down: Case study documentation
	Tutorial	In-class activity: Abstract Peer Review
Week 8 : 15 July - 21 July	Lecture	More than Words: Communicating your research graphically & visually
	Assessment	Assignment 2 Research Abstract due Refer to Moodle/Turnitin for submission details
Week 9 : 22 July - 28 July	Lecture	Where the Magic Happens: Evaluations and conclusions
	Tutorial	In-class activity: Discussion - Findings and limitations (Learning Step 4)
Week 10 : 29 July - 4 August	Lecture	Circling Back: Concluding and Introducing
	Tutorial	In-class activity: Significance & Future work (Concluding) (Learning Step 5)
Week 12 : 12 August - 18 August	Assessment	Assignment 3 Research Thesis due Refer to Moodle/Turnitin for submission details

Attendance Requirements

You are expected to be regular and punctual in attendance at all classes for the School of Built Environment courses in which you are enrolled. If and where individual courses have specific attendance requirements, these will be stated in the course outline.

If you do not attend, engage, or participate in scheduled class activities, including lectures, tutorials, studios, labs, etc, you run the risk of failing a course.

If illness or unexpected and beyond your control circumstances prevent you from completing a task on time, or substantially disturb your assessment performance, you should apply for [Special Consideration](#), as soon as practicable, accompanied by appropriate documentation.

No special consideration will be provided if you miss out on essential course information and materials, or if you miss assessment tasks and deadlines due to unexplained absences or an unapproved lack of attendance.

You may be advised by the Course Convenor to withdraw from the course if significant learning activities are missed. Attendance will be recorded weekly.

In this course, tutorials are activity-based and you will be required to participate in short communication and reflection exercises and class discussion that are designed to progressively develop your knowledge and proficiency in scholarly research conventions and practices. You will upload evidence of participation in weekly communication exercises to the learning management system site as required.

General Schedule Information

Detailed Assessment Briefs can be found on the Moodle course homepage.

Course Resources

Prescribed Resources

Refer to Moodle for resources

Recommended Resources

Refer to Moodle for resources

Course Evaluation and Development

During the course students can provide informal feedback to the course convenor, via School of Built Environment student representatives or at School of Built Environment Student Forums. For specific issues or detailed feedback, please contact the course convenor via email. Students are invited to share their insights and experiences by completing the formal 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	Nicole Gardner		Room 4015, Level, 4, Anita B. Lawrence Centre, West Wing	02 9065 2185	By email appointment	Yes	Yes

Other Useful Information

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).

Please see: <https://www.unsw.edu.au/arts-design-architecture/student-life/resources-support/protocols-guidelines> for essential student information relating to:

- UNSW and Faculty policies and procedures;
- Student Support Services;
- Dean's List;
- review of results;
- credit transfer;
- cross-institutional study and exchange;
- examination information;
- enrolment information;
- Special Consideration in the event of illness or misadventure;
- student equity and disability;

And other essential academic information.

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.

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

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, 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](#).

School Contact Information

beadmin@unsw.edu.au