



**UNSW**

## UNSW Course Outline

# CONS0025 Infrastructure Planning, Procurement and Finance - 2024

Published on the 12 Feb 2024

## General Course Information

**Course Code :** CONS0025

**Year :** 2024

**Term :** Term 1

**Teaching Period :** T1

**Is a multi-term course? :** No

**Faculty :** Faculty of Arts, Design and Architecture

**Academic Unit :** School of Built Environment

**Delivery Mode :** Multimodal

**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

Infrastructure Planning, Procurement and Finance covers domestic and international infrastructure markets and challenges; understanding the transformative role of new infrastructure design and delivery to growth, urban consolidation and renewal; the role of

government in infrastructure planning and provision; project service definition; business case/ feasibility; financing structures; procurement options and processes; tendering processes; public sector comparator and other ways of assessing value; delivery; commercial principles; risk management and; contract management. Increasing Australia's global competitiveness will depend critically on the efficient procurement, finance, delivery and management of effective and high quality social and economic infrastructure. Experts from industry, government and academia will work with you to critically explore best practice from around the world in social and economic infrastructure planning, procurement and finance.

# Course Learning Outcomes

Course Learning Outcomes
CLO1 : Evaluate the interdependent roles and responsibilities of the many contributors to successful infrastructure projects over its entire life cycle.
CLO2 : Contrast and critique current approaches to infrastructure procurement and finance around the world.
CLO3 : Analyse and develop innovative ways to procure and finance new infrastructure projects using best practice knowledge from around the world.
CLO4 : Assess and manage the risks and opportunities at each stage of the infrastructure life-cycle in order to optimise project outcomes.
CLO5 : Explain infrastructure provision as related to urban planning activity.
CLO6 : Describe the effect of infrastructure provision on the use, development, management and value of land.

Course Learning Outcomes	Assessment Item
CLO1 : Evaluate the interdependent roles and responsibilities of the many contributors to successful infrastructure projects over its entire life cycle.	<ul style="list-style-type: none"><li>• Online Quiz</li><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>
CLO2 : Contrast and critique current approaches to infrastructure procurement and finance around the world.	<ul style="list-style-type: none"><li>• Online Quiz</li><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>
CLO3 : Analyse and develop innovative ways to procure and finance new infrastructure projects using best practice knowledge from around the world.	<ul style="list-style-type: none"><li>• Online Quiz</li><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>
CLO4 : Assess and manage the risks and opportunities at each stage of the infrastructure life-cycle in order to optimise project outcomes.	<ul style="list-style-type: none"><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>
CLO5 : Explain infrastructure provision as related to urban planning activity.	<ul style="list-style-type: none"><li>• Online Quiz</li><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>
CLO6 : Describe the effect of infrastructure provision on the use, development, management and value of land.	<ul style="list-style-type: none"><li>• Online Quiz</li><li>• Procurement Strategy</li><li>• Take-Home Exam</li></ul>

## Learning and Teaching Technologies

Moodle - Learning Management System | Blackboard Collaborate

# Learning and Teaching in this course

The course is delivered through lectures and tutorials. Lectures will outline the key issues in delivering infrastructure projects. You are encouraged to familiarise yourself with the case studies and come prepared to engage in class discussions. Online learning, quizzes, and assignments require applying lecture concepts to practical problems, enhancing the learning process. This course enables you to develop critical thinking skills that will enhance your ability to be effective as an industry practitioner involved with future infrastructure delivery.

# Assessments

## Assessment Structure

Assessment Item	Weight	Relevant Dates
Online Quiz Assessment Format: Individual	20%	Due Date: 03/03/2024 11:59 PM
Procurement Strategy Assessment Format: Individual	40%	Due Date: 31/03/2024 11:59 PM
Take-Home Exam Assessment Format: Individual	40%	Due Date: 21/04/2024 11:59 PM

## Assessment Details

### Online Quiz

#### Assessment Overview

You will be quizzed on your understanding of lecture and tutorial content. Automatic feedback will be provided. Model examples and feedback will be provided in class.

#### Course Learning Outcomes

- CLO1 : Evaluate the interdependent roles and responsibilities of the many contributors to successful infrastructure projects over its entire life cycle.
- CLO2 : Contrast and critique current approaches to infrastructure procurement and finance around the world.
- CLO3 : Analyse and develop innovative ways to procure and finance new infrastructure projects using best practice knowledge from around the world.
- CLO5 : Explain infrastructure provision as related to urban planning activity.
- CLO6 : Describe the effect of infrastructure provision on the use, development, management and value of land.

# Procurement Strategy

## Assessment Overview

You will review a current Australian infrastructure project and assess the business case and procurement strategy. Grading will be done against assessment criteria accompanied by written feedback.

## Course Learning Outcomes

- CLO1 : Evaluate the interdependent roles and responsibilities of the many contributors to successful infrastructure projects over its entire life cycle.
- CLO2 : Contrast and critique current approaches to infrastructure procurement and finance around the world.
- CLO3 : Analyse and develop innovative ways to procure and finance new infrastructure projects using best practice knowledge from around the world.
- CLO4 : Assess and manage the risks and opportunities at each stage of the infrastructure life-cycle in order to optimise project outcomes.
- CLO5 : Explain infrastructure provision as related to urban planning activity.
- CLO6 : Describe the effect of infrastructure provision on the use, development, management and value of land.

## Assignment submission Turnitin type

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

# Take-Home Exam

## Assessment Overview

You will be tested through a take-home exam on topics discussed throughout the term. Model examples and feedback will be provided online.

## Course Learning Outcomes

- CLO1 : Evaluate the interdependent roles and responsibilities of the many contributors to successful infrastructure projects over its entire life cycle.
- CLO2 : Contrast and critique current approaches to infrastructure procurement and finance around the world.
- CLO3 : Analyse and develop innovative ways to procure and finance new infrastructure projects using best practice knowledge from around the world.
- CLO4 : Assess and manage the risks and opportunities at each stage of the infrastructure life-cycle in order to optimise project outcomes.
- CLO5 : Explain infrastructure provision as related to urban planning activity.
- CLO6 : Describe the effect of infrastructure provision on the use, development, management and value of land.

### Assignment submission Turnitin type

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

## General Assessment Information

### Grading Basis

Standard

## Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 12 February - 18 February	Lecture	Introduction
Week 2 : 19 February - 25 February	Lecture	Business Cases
Week 3 : 26 February - 3 March	Lecture	Introduction to PPPs
Week 4 : 4 March - 10 March	Lecture	Procurement
Week 5 : 11 March - 17 March	Lecture	Financial Structuring
Week 6 : 18 March - 24 March	Lecture	Risk
Week 7 : 25 March - 31 March	Lecture	Commercial Principles
Week 8 : 1 April - 7 April	Lecture	Public Holiday
Week 9 : 8 April - 14 April	Lecture	Governance
Week 10 : 15 April - 21 April	Lecture	Concluding Thoughts

## 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.

# Course 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	Martin Locke				appointment via email	No	Yes
	Martin Locke					No	No

## 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](mailto: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

badmin@unsw.edu.au