



## UNSW Course Outline

# PLAN2007 City Building: Transport and Infrastructure - 2024

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## General Course Information

Course Code : PLAN2007

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 : Undergraduate

Units of Credit : 6

### Useful Links

[Handbook Class Timetable](#)

## Course Details & Outcomes

### Course Description

City Building: Transport and Infrastructure explores the complex relationship between transport and land use planning, and critically examines the role of transport infrastructure considerations within strategic and statutory plans. It delves into topics that have been longstanding areas of

interest for city planners: understanding mobility patterns, ensuring appropriate transport infrastructure, and optimising the benefits to local communities and the wider city. In doing so, you will come to appreciate the role that urban infrastructure projects play in the broader process of 'city building'. Planners need a range of skills to tie these large financial (and political) commitments more coherently to considerations of city productivity, efficiency, sustainability, and equity. The ongoing pipeline of major transport infrastructure projects in Australian cities offers an excellent lens through which to consider the increasingly integrative role planners play in key city shaping activities which have social, economic and environmental impacts, as well as mobility outcomes.

## Course Learning Outcomes

Course Learning Outcomes
CLO1 : Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.
CLO2 : Apply a working knowledge of the policy and statutory frameworks of urban infrastructure provision.
CLO3 : Critically assess the involvement of government and the private sector in infrastructure projects.
CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
CLO5 : Explain the interactions between transport and sustainable development.

Course Learning Outcomes	Assessment Item
CLO1 : Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.	<ul style="list-style-type: none"> <li>• Infrastructure Concept Planning</li> <li>• Infrastructure Audit</li> </ul>
CLO2 : Apply a working knowledge of the policy and statutory frameworks of urban infrastructure provision.	<ul style="list-style-type: none"> <li>• Infrastructure Analysis</li> <li>• Infrastructure Concept Planning</li> </ul>
CLO3 : Critically assess the involvement of government and the private sector in infrastructure projects.	<ul style="list-style-type: none"> <li>• Infrastructure Analysis</li> <li>• Infrastructure Concept Planning</li> </ul>
CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.	<ul style="list-style-type: none"> <li>• Infrastructure Audit</li> <li>• Infrastructure Analysis</li> <li>• Infrastructure Concept Planning</li> </ul>
CLO5 : Explain the interactions between transport and sustainable development.	<ul style="list-style-type: none"> <li>• Infrastructure Concept Planning</li> </ul>

# Learning and Teaching Technologies

Moodle - Learning Management System

## Assessments

### Assessment Structure

Assessment Item	Weight	Relevant Dates
Infrastructure Concept Planning Assessment Format: Group	40%	Start Date: TBA Due Date: TBA
Infrastructure Analysis Assessment Format: Individual	30%	Start Date: TBA Due Date: TBA
Infrastructure Audit Assessment Format: Individual	30%	Start Date: TBA Due Date: TBA

## Assessment Details

### Infrastructure Concept Planning

#### Assessment Overview

In groups, you will build on Assessment 2 to develop a long-term infrastructure report. Your group will present your research findings, and recommendations. The report will be graded based on assessment criteria, with written feedback provided. After the presentations, you will receive verbal feedback. Individual contributions will be assessed.

#### Course Learning Outcomes

- CL01 : Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.
- CL02 : Apply a working knowledge of the policy and statutory frameworks of urban infrastructure provision.
- CL03 : Critically assess the involvement of government and the private sector in infrastructure projects.
- CL04 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
- CL05 : Explain the interactions between transport and sustainable development.

#### Assignment submission Turnitin type

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

## Generative AI Permission Level

### **Simple Editing Assistance**

In completing this assessment, you are permitted to use standard editing and referencing functions in the software you use to complete your assessment. These functions are described below. You must not use any functions that generate or paraphrase passages of text or other media, whether based on your own work or not.

If your Convenor has concerns that your submission contains passages of AI-generated text or media, you may be asked to account for 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.

For more information on Generative AI and permitted use please see [here](#).

## **Infrastructure Analysis**

### Assessment Overview

Building on assessment 1, you will analyse data to identify supply or capacity gaps and draft a design response to support growth. Grading will be done against assessment criteria accompanied by written feedback.

### Course Learning Outcomes

- CL02 : Apply a working knowledge of the policy and statutory frameworks of urban infrastructure provision.
- CL03 : Critically assess the involvement of government and the private sector in infrastructure projects.
- CL04 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.

### Assignment submission Turnitin type

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## Generative AI Permission Level

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## **Infrastructure Audit**

### **Assessment Overview**

You will collect data on a selected infrastructure and prepare an infrastructure audit to assess future development potential. Grading will be done against assessment criteria accompanied by written feedback.

### **Course Learning Outcomes**

- CL01 : Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.
- CL04 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.

### **Assignment submission Turnitin type**

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### **Generative AI Permission Level**

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## **General Assessment Information**

### **Grading Basis**

Standard

# Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 9 September - 15 September	Lecture	Course introduction
Week 2 : 16 September - 22 September	Lecture	Social infrastructure planning
	Tutorial	Social infrastructure planning practice
Week 3 : 23 September - 29 September	Lecture	Recreation and open space planning
	Tutorial	Recreation and open space planning practice
Week 4 : 30 September - 6 October	Lecture	Transport planning and TOD
	Tutorial	Transport planning and TOD
Week 5 : 7 October - 13 October	Online Activity	Public transport planning (lecture recording)
Week 7 : 21 October - 27 October	Lecture	Freight and logistics planning
	Tutorial	Freight and logistics planning practice
Week 8 : 28 October - 3 November	Lecture	Utilities and telecommunications planning
	Tutorial	Utilities and telecommunications planning practice
Week 9 : 4 November - 10 November	Lecture	Infrastructure planning case studies
	Tutorial	Infrastructure planning case studies
Week 10 : 11 November - 17 November	Presentation	Group presentation

## Attendance Requirements

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

## 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
	Alice Brown				BY APPOINTMENT, VIA EMAIL	No	No
	Brian Lee				please email for appointment	No	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 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**

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

beadmin@unsw.edu.au