UNSW Course Outline

PLAN7145 City Building - Infrastructure Planning - 2024

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General Course Information

Course Code : PLAN7145
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 : Postgraduate
Units of Credit : 6

<u>Useful Links</u>

<u>Handbook</u> <u>Class Timetable</u>

Course Details & Outcomes

Course Description

City Building - Infrastructure Planning explores the role of infrastructure considerations within strategic and statutory planning contexts. The pipeline of major transport infrastructure projects in Australian cities offer 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.

In this course, you will explore the concept of city building as a framework for maximising the synergies between infrastructure expenditure and urban growth and change. In doing so you will learn about the key role that planners can play in linking these large financial (and political) commitments to considerations of city sustainability, productivity, efficiency and equity.

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 knowledge of the policy and statutory frameworks of urban infrastructure provision to address planning issues.
CLO3 : Assess the role of government and the private sector in infrastructure provision and funding.
CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
CLO5 : Explain the relationship between transport and sustainable development, and how transport infrastructure can contribute to sustainble development goals.

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.	• Presentation • Project report
CLO2 : Apply knowledge of the policy and statutory frameworks of urban infrastructure provision to address planning issues.	• Quiz • Project report
CLO3 : Assess the role of government and the private sector in infrastructure provision and funding.	• Quiz • Project report
CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.	• Presentation • Project report
CLO5 : Explain the relationship between transport and sustainable development, and how transport infrastructure can contribute to sustainble development goals.	• Quiz • Presentation • Project report

Learning and Teaching Technologies

Moodle - Learning Management System

Assessments

Assessment Structure

Assessment Item	Weight	Relevant Dates
Quiz Assessment Format: Individual	30%	Start Date: Not Applicable Due Date: Not Applicable
Presentation Assessment Format: Group	30%	Start Date: Not Applicable Due Date: Not Applicable
Project report Assessment Format: Individual	40%	Start Date: Not Applicable Due Date: 11/08/2001 12:00 AM

Assessment Details

Quiz

Assessment Overview

You will be quizzed on key concepts from the lectures and the assigned readings. Feedback will be provided in the form of the correct answers. Additional feedback will also be provided by the course convenor upon request.

Course Learning Outcomes

- CLO2 : Apply knowledge of the policy and statutory frameworks of urban infrastructure provision to address planning issues.
- CLO3 : Assess the role of government and the private sector in infrastructure provision and funding.
- CLO5 : Explain the relationship between transport and sustainable development, and how transport infrastructure can contribute to sustainble development goals.

Assessment Length

To be announced in the first lecture

Assignment submission Turnitin type

Not Applicable

Presentation

Assessment Overview

In groups, you will participate in tutorial activities analysing and planning various types of infrastructure. Your group will prepare and present the outcomes of these tutorial activities. Verbal and written feedback will be provided. Grading will be based on assessment criteria.

Course Learning Outcomes

- CLO1 : Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.
- CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
- CLO5 : Explain the relationship between transport and sustainable development, and how transport infrastructure can contribute to sustainble development goals.

Assignment submission Turnitin type

This is not a Turnitin assignment

Project report

Assessment Overview

You will enhance your understanding of the connection between transport, infrastructure provision, urban structure, and sustainability. By selecting a specific station area, you'll assume the role of a city planner engaged in infrastructure planning. Your report will involve analysing the existing land use and population characteristics of the chosen study area, assessing its infrastructure gaps, prioritising potential projects, and planning new infrastructure initiatives with regard to social, economic, and environmental considerations. Grading will be done against assessment criteria accompanied by written feedback.

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 knowledge of the policy and statutory frameworks of urban infrastructure provision to address planning issues.
- CLO3 : Assess the role of government and the private sector in infrastructure provision and funding.
- CLO4 : Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
- CLO5 : Explain the relationship between transport and sustainable development, and how transport infrastructure can contribute to sustainble development goals.

Assignment submission Turnitin type

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

General Assessment Information

For assessment tasks in this course, you may only use AI-based software to research and prepare prior to writing your assessment. You are permitted to use standard editing and referencing functions in word processing software in the creation of your submission (note: this

is limited to spelling and grammar checking and reference citation generation). 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.

<u>Grading Basis</u>

Standard

Course Schedule

Teaching Week/Module	Activity Type	Content
Week 1 : 27 May - 2 June	Lecture	Transport infrastructure planning
Week 2 : 3 June - 9 June	Lecture	Transit oriented development
	Tutorial	Public transport planning tutorial
Week 3 : 10 June - 16 June	Lecture	Course introduction. Infrastructure planning.
	Tutorial	TOD practice
Week 4 : 17 June - 23 June	Lecture	Walking infrastructure planning
	Tutorial	Walkability analysis
Week 5 : 24 June - 30 June	Lecture	Cycling infrastructure planning
	Tutorial	Bikeability analysis
Week 6 : 1 July - 7 July	Other	Flexibility Week
Week 7 : 8 July - 14 July	Lecture	Educational infrastructure planning
	Tutorial	School planning practice
Week 8 : 15 July - 21 July	Lecture	Health infrastructure planning
	Tutorial	Hospital planning practice
Week 9 : 22 July - 28 July	Lecture	Open space and recreational planning
	Tutorial	Recreational planning practice
Week 10 : 29 July - 4 August	Lecture	Course wrap up. Project presentation.
	Tutorial	City building practice

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.

Staff Details

Position	Name	Email	Location	Phone	Availability	Equitable Learning Services Contact	Primary Contact
Convenor	Brian Lee		Anita B Lawrence 2019		Please email me first	No	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 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

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