



UNSW
SYDNEY

Australia's
Global
University

Built Environment

PLAN2007

City Building: Transport and Infrastructure



Course Outline – Term 3, 2020

Disclaimer

Information within this document is subject to change. The full and most accurate course outline will be available in Moodle closer to the start of the term in which the course is offered.

1. COURSE STAFF

Course Contact	Dr Brian Lee
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2. COURSE DETAILS

Credit Points	6 units of credit (uoc)
Workload	Approx. 150 hours including class contact hours, weekly individual and group online learning activities, readings, class preparation, and assessment activities.
Teaching Times and Location	Find details in timetable http://www.timetable.unsw.edu.au

Description

The nexus between transport and land use planning has been a longstanding focus of interest for city planners, in terms of understanding patterns of mobility, determining the need for appropriate transport infrastructure ensuring planning frameworks optimise the benefits to both local communities and the wider city of transport and other infrastructure networks and future investment.

In recent years, interest in maximising the strategic synergies between infrastructure expenditure and urban growth, development and renewal has become increasingly framed by the notion of 'city building'. The reassertion of strategic planning interests in the role that urban infrastructure projects play in 'city building' are acting to reposition the role of the planner, and demand a range of skills that help tie these large financial (and political) commitments more coherently to considerations of city productivity, efficiency, sustainability, and equity.

This course introduces students to the centrality of transport infrastructure considerations both within strategic and statutory contexts. The ongoing 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 as much as mobility outcomes.

Aims

This aims of this course are to build students understanding of the key nexus between transport infrastructure provision and both strategic and statutory planning considerations. The goal is to help students build better insight into the challenges and complexities shaping the urban planners'

role in infrastructure planning, design, and delivery, and the increasing prominence of planners on integrated teams delivering large infrastructure projects.

Course Learning Outcomes (CLOs)

At the successful completion of this course, you will be able to:

1. Explain the conceptual frameworks and techniques for incorporating infrastructure considerations into urban planning decisions at both strategic and tactical scales.
2. Apply a working knowledge of the policy and statutory frameworks of urban infrastructure provision.
3. Recognise the role of government and the private sector in infrastructure provision and funding.
4. Analyse urban transport infrastructure using the range of approaches and data to evaluate the economic, equity, and sustainability consequences.
5. Explain the interactions between transport and sustainable development.

3. ASSESSMENT

Assessment task	Weight	CLOs Assessed
1. Assignment - Individual assignments (individual)	45%	4, 5
2. Project - Group Project	30%	1, 2, 3, 4, 5
3. Presentation - (individual)	25%	1, 2, 3, 4, 5

4. COURSE IMPROVEMENT AND FEEDBACK

Feedback from students is an integral part of improving courses and teaching approaches. One of the primary mechanisms of feedback is myExperience, which we strongly urge all students to complete at the end of term. Course convenors use the feedback to make ongoing improvements to the course. This is communicated in Moodle in the myFeedback Matters page.