



School of Civil and Environmental Engineering

Term 1, 2020

CVEN4404

TRAFFIC ENGINEERING

## COURSE DETAILS

4 hours per week

Tuesday, 9:00-11:00

Colombo Theatre C

Weeks 2, 4, 7, 9

<http://timetable.unsw.edu.au/2020/CVEN4404.html>

Tuesday, 11:00 - 13:00 or,  
13:00 - 15:00

Weeks 1, 3, 5, 8, 10

See link to virtual handbook -

<https://www.handbook.unsw.edu.au/undergraduate/courses/2020/CVEN4404/>

This course is designed to develop students' understanding, skills and knowledge in the field of traffic and transport engineering. While the focus of the course is clearly on the design, analysis and management of road transport facilities on both the supply and demand side, importance is also placed on the reporting and presentation of technical material that can be used by high level decision makers.

List of programme attributes:

- < An in-depth knowledge of fundamentals of traffic engineering
- < Capacity for analytical and critical thinking and for creative problem solving in traffic engineering
- < Ability to engage independent and reflective learning
- < Skills for collaborative and multi-disciplinary work
- < Learn management methods related to traffic engineering.

The teaching strategies that will be used and their rationale. Give some suggested approaches to learning in the course.

	<ul style="list-style-type: none"><li>&lt; Review lecture material and textbook</li><li>&lt; Do set problems and assignments</li><li>&lt; Join Moodle discussions of problems</li><li>&lt; Reflect on class problems and assignments</li><li>&lt; Download materials from Moodle</li><li>&lt; Keep up with notices and find out marks via Moodle</li></ul>
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*Stage 1 Competencies for Professional Engineers*

	PE1.1 Comprehensive, theory-based understanding of underpinning fundamentals
	PE1.2 Conceptual understanding of underpinning maths, analysis, statistics, computing
	PE1.3 In-depth understanding of specialist bodies of knowledge
	PE1.4 Discernment of knowledge development and research directions
	PE1.5 Knowledge of engineering design practice
	PE1.6 Understanding of scope, principles, norms, accountabilities of sustainable engineering practice

