Overview

The course is presented as 2 strands. The first strand is concerned with transport planning concepts and fundamentals of traffic theory. The transport planning component dwells on technical applications related to interactions among transport, land use and the environment. Topics include: introduction to four step transport planning process, transport network principles and their applications, transport demand models and sustainable transport strategies. The traffic theory component introduces basics of traffic engineering relationships, performance characteristics of roads, traffic management and delay computations in relation to unsignalised intersections and roundabouts. This strand which is allocated approximately 2/3 of teaching content is common for both Civil and Environmental Engineering students.

The second strand is specifically for Civil Engineering students. This strand relates to development of technical skills required to prepare geometric design of highways. It introduces the design and computation process of rural roads and intersections, including horizontal and vertical alignment of highways, cross-sections and earthworks.
Faculty
Faculty of Engineering

School
School of Civil and Environmental Engineering

Study Level
Undergraduate

Offering Terms
Term 2

Campus
Kensington

Indicative contact hours
5

Timetable
Visit timetable website for details
Equivalent Courses

CVEN3401 6 UOC
Sustainable Transport and Highway Engineering
Exclusion Courses

CVEN2402 | 6 UOC
Transport Engineering and Environmental Sustainability

CVEN3402 | 6 UOC
Transport Engineering and Environmental Sustainability

CVEN3401 | 6 UOC
Sustainable Transport and Highway Engineering
Course Outline

To access course outline, please visit:

CVEN2401 Course Outline
### Fees

<table>
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<td>Commonwealth Supported Students</td>
<td>$1191</td>
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<td>Domestic Students</td>
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<td>International Students</td>
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**DISCLAIMER**

Please note that the University reserves the right to vary student fees in line with relevant legislation. This fee information is provided as a guide and more specific information about fees, including fee policy, can be found on the [fee website](#).

For advice about fees for courses with a fee displayed as "Not Applicable", including some Work Experience and UNSW Canberra at ADFA courses, please contact the relevant Faculty. Fees for courses delivered through [UNSW Global](#) are published and charged by UNSW Global and thus appear as "Not Applicable" on this site.

Where a Commonwealth Supported Students fee is displayed, it does not guarantee such places are available.
Pre-2019 Handbook Editions

Access past handbook editions (2018 and prior)

Pre-2019 Handbook Editions
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Authorised by Deputy Vice-Chancellor (Academic)
CRICOS Provider Code 00098G
ABN: 57 195 873 179