



Course

Channels, Rivers and Estuaries

CVEN9620

6 Units of Credit

Overview

Models for routing of flows along channels and rivers will be presented including model theory, selection, calibration, validation and reliability; models will include Muskingham, kinematic wave, non-inertial and diffusion and dynamic wave; sediment and pollutant transport water quality methods and models will also be presented including plug-flow and advection-dispersion in both coupled and uncoupled applications; estuarine classification and density structure; tides, water level response, mixing processes and flushing of estuaries; estuarine difference models including hydrodynamic stratification and algal dynamics; random walk and box models; biochemical processes in estuaries.

Faculty

Faculty of Engineering

School

School of Civil and Environmental Engineering

Study Level

Postgraduate

Offering Terms

Term 3

Campus

Kensington

Delivery Mode

Fully on-site

Indicative contact hours

4

Timetable

[Visit timetable website for details](#)

Course Outline

To access course outline, please visit:

[CVEN9620 Course Outline](#)

Fees

Commonwealth Supported Students \$1170

Domestic Students \$4350

International Students \$5730

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.

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)

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