



Course

Data-driven Decision Making in Chemical Engineering and Food Science

CEIC6789 | 6 Units of Credit

Overview

The recent surge in the volume of data collected owing to technological advances provides opportunities to improve processes and take better decisions across various industries. However, in order to turn large data sets into useful insights, combining the knowledge of right data with right analytical tools is important. Data-driven decision making is an industry-oriented course where students learn data management and analytic skills through a major project and real case studies from the School's research strengths/industrial experience in chemical engineering and food science. The course covers advanced methods for obtaining, handling and summarising various categories of data with databases. The course will also focus on how to analyse the collected data efficiently by applying sophisticated analytical techniques including statistical tests, inferences and regression analysis.

A working knowledge of introductory statistics and introductory programming is assumed.

Faculty

Faculty of Engineering

School

School of Chemical Engineering

Study Level

Postgraduate

Offering Terms

Term 2

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:

[CEIC6789 Course Outline](#)

Fees

Commonwealth Supported Students \$1191

Domestic Students \$4470

International Students \$5910

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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