Data-driven Decision Making in Chemical Engineering and Food Science

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**

<table>
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<tr>
<th>Category</th>
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<tr>
<td>Commonwealth Supported Students</td>
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<tr>
<td>Domestic Students</td>
<td>$4470</td>
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<td>International Students</td>
<td>$5910</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.

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