



Course

Introduction to Engineering Design and Innovation

ENGG1000

6 Units of Credit

Overview

In this course, students will experience first hand one of the major things that engineers do: designing and building creative solutions to problems. They will learn to think the way that engineers think, coming up with good solutions to problems despite being limited by budget, time and resources, the requirement to also meet environmental and social objectives and of course the limitations of the laws of physics. This will help them to appreciate the central ideas of engineering design as an on-time, on-budget and fit for purpose solution to a poorly specified, open-ended problem. They will be assigned to a team to work over a ten week period to solve a practical problem. The projects on offer change from year to year. In doing all this they will start to build key skills for engineers that will be called upon repeatedly in their academic and professional lives, including concept development, critical thinking and evaluation skills, clear communication, research and information literacy skills and the skills involved in successfully functioning within a team environment to complete a given task. For further information please see ENGG1000

Faculty

[Faculty of Engineering](#)

Study Level

Undergraduate

Offering Terms

Term 1, Term 3

Campus

Kensington

Indicative contact hours

4

Timetable

[Visit timetable website for details](#)

Equivalent Courses

DPST1071 6 UOC

Introduction to Engineering Design and Innovation

Exclusion Courses

DPST1071 | 6 UOC

Introduction to Engineering Design and Innovation

Course Outline

To access course outline, please visit:

[ENGG1000 Course Outline](#)

Fees

Commonwealth Supported Students \$1170

Domestic Students \$5790

International Students \$5790

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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ABN: 57 195 873 179