

ENGR 1038 DESIGN GRAPHICS: PRESENTING INNOVATION

Credit Points 10

Legacy Code 301283

Coordinator Karen Yevenes ([https://directory.westernsydney.edu.au/search/name/Karen Yevenes/](https://directory.westernsydney.edu.au/search/name/Karen%20Yevenes/))

Description Design visualisation in the form of 2D and 3D graphics is fundamental to the overall design process. This subject provides students with essential knowledge of design principles as used in visual communication. Students will employ graphic techniques to effectively convey a design proposal using creativity, technical skill, and quality design principles in a manner that is consistent with industry expectations. Students will produce graphic work that is portfolio-ready and suitable to display to potential clients and employers.

School Eng, Design & Built Env

Discipline Other Engineering And Related Technologies

Student Contribution Band HECS Band 2 10cp

Check your fees via the Fees (https://www.westernsydney.edu.au/currentstudents/current_students/fees/) page.

Level Undergraduate Level 1 subject

Equivalent Subjects ENGR 1022 Industrial Graphics 1 Presentation
ENGR 1021 Graphics 1 2D 3D Industrial Design Communication

Learning Outcomes

On successful completion of this subject, students should be able to:

1. Plan a design solution for a specific design brief using graphic visualisation techniques.
2. Design an object or building concept through the use of Computer-Aided Design (CAD).
3. Use a range of low fidelity and high fidelity representations (ranging from hand sketches to digital models).
4. Communicate a response to a design brief in the form of concept sketches and 2D/3D digital design drawings.

Subject Content

?Use of 2D and 3D graphics tools to represent a design concept

?Design communication to explain working properties and features of design concepts

?Integration of basic drawing skills for industrial design and architecture students; and skills to communicate design ideas

Assessment

The following table summarises the standard assessment tasks for this subject. Please note this is a guide only. Assessment tasks are regularly updated, where there is a difference your Learning Guide takes precedence.

Type	Length	Percent	Threshold	Individual/ Group Task	Mandatory
Applied Project	1 x A3/ A2 size graphic composition	30	N	Individual	N
Portfolio	5 x A3 size graphic concepts	30	N	Individual	N
Applied Project	1 x A3/ A2 size graphic composition	40	N	Individual	N

Prescribed Texts

- Eissen, K & Steur, R 2007, Sketching : drawing techniques for product designers, Bis, Amsterdam.

Teaching Periods

Autumn (2024)

Parramatta City - Macquarie St

On-site

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR1038_24-AUT_PC_1#subjects)

Autumn (2025)

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