

ENGR 4042 FINAL YEAR PROJECT 2 (UG ENGINEERING)

Credit Points 20

Coordinator Kejun Dong (<https://directory.westernsydney.edu.au/search/name/Kejun Dong/>)

Description This subject continues and finalises the project started in subject "Final Year Project 1 (UG Engineering)" incorporating more in-depth and detailed investigations. Throughout the semester students will develop their design, research and presentation skills under the supervision of academic or industry mentors as co-supervisors. Students will deliver either a design or a research oriented capstone project at a professional level. This capstone project demonstrates a student's ability to plan, test, execute, document and report on an engineering project at a high level. Students completing this subject will develop skills relevant to their future careers as engineers or as a pathway to higher degree studies.

School Eng, Design & Built Env

Discipline Other Engineering And Related Technologies

Student Contribution Band HECS Band 2 20cp

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

Level Undergraduate Level 4 subject

Pre-requisite(s) ENGR 4041

Restrictions

Students must be enrolled in 3728 Bachelor of Engineering (Honours)/ Bachelor of Business or 3740 Bachelor of Engineering (Honours) and they must have completed at least 220 credit points.

Learning Outcomes

After successful completion of this Subject, students will be able to:

1. Implement the outcomes from the FYP1 specific to research goals.
2. Evaluate research outcomes and their significance to the field of engineering.
3. Apply initiative and creativity in dealing with critical research issues.
4. Manage an engineering research and/or design project that incorporates relevant processes and methodologies including WHS and risk management.
5. Communicate research and/or design work in an ethical and concise manner and in a range of formats reflective of scholarly and engineering professional practice.
6. Reflect on self-assessment and feedback for research and/or design project work.

Subject Content

1. Research skills
2. Technical presentation skills
3. Risk management
4. Project management
5. Engineering ethics

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
Report	8 pages (using the proforma supplied)	15	N	Individual	Y
Presentatio	20 minutes	20	N	Individual	Y
Report	10000 words	65	N	Individual	Y

Teaching Periods

Spring (2025)

Penrith (Kingswood)

On-site

Subject Contact Kejun Dong (<https://directory.westernsydney.edu.au/search/name/Kejun Dong/>)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ENGR4042_25-SPR_KW_1#subjects)

Parramatta - Victoria Rd

On-site

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View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ENGR4042_25-SPR_PS_1#subjects)

Sydney City Campus - Term 3 (2025)

Sydney City

On-site

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View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=ENGR4042_25-SC3_SC_1#subjects)