ENGR 4041 FINAL YEAR PROJECT 1 (UG ENGINEERING)

Credit Points 20

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

Description In this subject students develop the foundations for a year-long capstone project which may be either design or research oriented. Throughout the semester, students will develop their design, research and presentation skills under the supervision of academic or industry mentors as co-supervisors. This capstone project work develops a student's ability to identify, plan, test, execute, document and report on an engineering project at a high level. The capstone project will be completed and finalised in "Final Year Project 2 (UG Engineering)". Students completing the Final Year Project 1 and the Final Year Project 2 associated subjects 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

Co-requisite(s) ENGR 3017

Restrictions

Students must be enrolled in 3728 Bachelor of Engineering (Honours)/Bachelor of Business or 3740 Bachelor of Engineering (Honours) and have completed 200 credit points.

Learning Outcomes

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

1. Evaluate the literature and its relevance to a specific area, which includes identifying the problems to be addressed, and their significance to engineering.
2. Plan a research project demonstrating knowledge of the key steps in the research process.
3. Devise appropriate research methodology for investigating a specific research question.
4. Manage 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
Participation	1000 words	S/U	N	Individual	Y
Self-Assessmen	30 minutes	S/U	N	Individual	Y
Proposal	3000 words	35	N	Individual	Y
Report	6000 words	65	Y	Individual	Y

Teaching Periods

Autumn (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=ENGR4041_25-AUT_KW_1#subjects)

Parramatta - Victoria Rd
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=ENGR4041_25-AUT_PS_1#subjects)

Sydney City
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=ENGR4041_25-AUT_SC_1#subjects)

Sydney City Campus - Term 1 (2025)
Sydney City
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=ENGR4041_25-SC1_SC_1#subjects)

Sydney City Campus - Term 2 (2025)
Sydney City
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=ENGR4041_25-SC2_SC_1#subjects)

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=ENGR4041_25-SPR_KW_1#subjects)

Parramatta - Victoria Rd
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=ENGR4041_25-SPR_PS_1#subjects)

Sydney City
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=ENGR4041_25-SPR_SC_1#subjects)

Sydney City Campus - Term 3 (2025)
Sydney City
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=ENGR4041_25-SC3_SC_1#subjects)