

ENGR 3021 PROFESSIONAL PRACTICE

Credit Points 10

Legacy Code 300053

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

Description This unit focuses on ethical conduct for construction managers and on the range of procurement systems utilised in the modern construction industry. It deals with matters of professional responsibility to the community, as well as, honourable and lawful practices in the conduct of business. The issues of confidentiality of information and conflict of interest are examined in the context of real project histories. Risk management and its relationship with quality project delivery are considered in the light of the changing nature of an industrialised, digitalised and globalised construction industry.

School Eng, Design & Built Env

Discipline Other Engineering And Related Technologies

Student Contribution Band HECS Band 2 10cp

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

Level Undergraduate Level 3 subject

Pre-requisite(s) ENGR 1029 OR
ENGR 1024 OR
ENGR 1036

Assumed Knowledge

Some experience with the range of employment opportunities that are available in the Australian construction industry.

Learning Outcomes

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

1. Identify ethical behavioural requirements of a construction professional in relation to codes of conduct of relevant professional associations
2. Research and evaluate the options available in response to an ethical dilemma on a construction project
3. Describe the most common types of procurement options in use in the modern construction industry and compare their advantages and disadvantages
4. Prioritise risk management strategies on a construction project
5. Reflect on the future direction of the construction industry both in Australia and globally

Subject Content

Individual responsibilities under Professional Codes of Conduct
Characteristics of modern construction procurement systems
Innovation delivery in the construction industry context
Risk management and risk wrapping in project delivery
The future of an industrialised, digitalised and globalised construction industry

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.

Item	Length	Percent	Threshold	Individual/ Group Task
Ethics Report	1500 words	25	N	Individual
Procurement Method Report	2800 words	45	N	Individual
Final Group Report and Presentation	4000 words and 15 minutes	30	N	Group

Prescribed Texts

- NULL

Teaching Periods

Spring Penrith (Kingswood)

Day

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View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR3021_22-SPR_KW_D#subjects)

Parramatta - Victoria Rd

Day

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