

# 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 subject 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/](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.

Type	Length	Percent	Threshold	Individual/ Group Task
Report	1 500 words	25	N	Individual
Report	2800 words	45	N	Individual
Report	4000 words and 15 minutes	30	N	Group

Prescribed Texts

- NULL

Teaching Periods

### Spring (2022) Penrith (Kingswood)

**Day**

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View timetable ([https://classregistration.westernsydney.edu.au/even/timetable/?subject\\_code=ENGR3021\\_22-SPR\\_KW\\_D#subjects](https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR3021_22-SPR_KW_D#subjects))

### Parramatta - Victoria Rd

**Day**

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### Summer (2022)

#### Parramatta - Victoria Rd

**Day**

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### Spring (2023)

#### Penrith (Kingswood)

**On-site**

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

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