

ENGR 2018 PROFESSIONAL PRACTICE FOR ENGINEER ASSOCIATES (WSTC ASSOC D)

Credit Points 10

Legacy Code 700118

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

Description This unit will provide the knowledge and skills to enable students to support the achievement of organisational goals through applying knowledge of environment and internal culture. The unit evaluates planning processes and goal setting to achieve superior performance and compares alternative approaches to motivation of work team members. Students will consider types of managerial communications and their associated communications channels in achieving best professional practice.

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 2 subject

Pre-requisite(s) ENGR 2009

Restrictions Students must be enrolled at Western Sydney University, The College in 7022 Associate Degree in Engineering.

Learning Outcomes

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

1. Effectively build, motivate and manage project team.
2. Apply managerial communication skills and establish effective communication channels to achieve best professional practice.
3. Make effective oral, written and visual communications.
4. Describe and promote sustainable engineering.
5. Manage occupational health and safety.

Subject Content

This unit provides the engineering students in Australia with the tools and techniques that facilitate the application of the knowledge of engineering management in practical engineering work and study.

The detailed contents are described as following

1. The engineering method
2. Learning to be an engineer
3. Managing occupational health and safety
4. Understanding communication
5. Enabling skills for engineers
6. Information skills
7. Problem-solving tools
8. Sustainable engineering
9. Ethics in engineering
10. Managing engineering projects
11. Developing risk management plan, knowledge management plan and quality plan
12. Communicating information

13. Planning your career

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
Essay	1,500-2,000 words	10	N	Individual
Report	2,000-3,000 words	20	N	Group
Quiz	30 minutes each	30	N	Individual
Final Exam	2 hours	40	N	Individual

Prescribed Texts

- Dowling, D., Carew, A. and Hadgraft, R. (2010). Engineering Your Future: An Australasian Guide. John Wiley & Sons Australia, Ltd.
- Goetsch, D. L. (2011). Occupational Safety and Health for Technologists, Engineers, and Managers. Upper Saddle River, N.J.: Prentice Hall.

Teaching Periods

Quarter 1

Nirimba Education Precinct

Composite

Subject Contact Robert Paluzzano ([https://directory.westernsydney.edu.au/search/name/Robert Paluzzano/](https://directory.westernsydney.edu.au/search/name/Robert%20Paluzzano/))

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR2018_22-Q1_BL_C#subjects)