

ENGR 7017 PROFESSIONAL PRACTICE AND COMMUNICATION

Credit Points 10

Legacy Code 301005

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

Description This subject introduces some of the concepts, standards and techniques associated with the current professional practice for engineering and information technology students. These include the various elements of engineering and IT practice, basic knowledge of contract laws and legal responsibility, competence in verbal and written communication, and an understanding of ethical considerations.

School Computer, Data & Math Sciences

Discipline Other Engineering And Related Technologies

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject

Restrictions

Students must be enrolled in a postgraduate program

Learning Outcomes

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

1. Display skills in all aspects of communication, including for technical and non-technical, and academic and public audiences.
2. Evaluate information relevant to IT and engineering topics, using the full range of information-searching tools.
3. Describe and model ethical and professional codes of conduct for IT and engineering professions.
4. Demonstrate the concepts related to business risk management, security and privacy of information.
5. Explain legal, social and environmental issues related to computing, IT and engineering.
6. Explain project management principles and recognise their impact in the leveraging of professional practice in IT and engineering.
7. Work effectively as both leader and member of a team, to design, manage and complete a number of projects, and to resolve conflicts.

Subject Content

Academic and professional writing
 Oral and visual presentation
 Ethics, ethical behaviour and professional responsibility
 Intellectual property rights
 Risk management and management of data security
 Project management
 Contracts and arbitration
 Work integrated learning and professional portfolio

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 |
|--------------|-------------------------|---------|-----------|---------------------------|
| Essay | 1,500 words | 30 | N | Individual |
| Report | 3,500 words | 30 | Y | Group |
| Presentation | 5 minutes (per student) | 15 | N | Both (Individual & Group) |
| Case Study | 2,500 words | 25 | Y | Individual |

Teaching Periods

Autumn (2022)

Parramatta City - Macquarie St

Day

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

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=ENGR7017_22-AUT_PC_D#subjects)

Parramatta - Victoria Rd

Day

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Sydney City Campus - Term 1 (2022)

Sydney City

Day

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Spring (2022)

Parramatta City - Macquarie St

Day

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Parramatta - Victoria Rd

Day

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Sydney City Campus - Term 3 (2022)

Sydney City

Day

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Autumn (2023)

Parramatta City - Macquarie St

On-site

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Parramatta - Victoria Rd

On-site

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Sydney City Campus - Term 1 (2023)

Sydney City

On-site

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Sydney City Campus - Term 2 (2023)

Sydney City

On-site

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

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Spring (2023)

Parramatta City - Macquarie St

On-site

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Parramatta - Victoria Rd

On-site

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