COMP 7007 INFORMATION SECURITY MANAGEMENT

Credit Points 10

Legacy Code 301162

Coordinator Yun Bai (https://directory.westernsydney.edu.au/search/name/Yun Bai/)

Description Cyber Crime costs are increasing at an alarming speed. Security management skills are now essential for IT management. This subject provides the knowledge, skills, techniques and mechanisms on information security management for postgraduate students. It covers topics on management aspects of information security such as business and Cybercrime, security awareness, security risks, security fundamentals, risk assessment and security system design, planning and regulatory issues for information system security.

School Computer, Data & Math Sciences

Discipline Computer Science, Not Elsewhere Classified.

Student Contribution Band HECS Band 2 10cp

Level Postgraduate Coursework Level 7 subject

Restrictions

Students must be enrolled in a postgraduate program.

Assumed Knowledge

Basic knowledge of computer system, computer security and basic programming skills.

Learning Outcomes

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

1. Describe major security issues in information systems
2. Explain security architecture for system security
3. Characterise Cybercrimes and fundamental security risks
4. Apply security measurement in security system design
5. Identify and analyse security management issues
6. Describe security requirement and solution

Subject Content

1. Globalization, Business and Cybercrimes
2. Information security Basics
3. Information Security awareness
4. Security risks
5. Security mechanisms
6. Risk assessment
7. Managing risk
8. Security architecture
9. Security system design
10. Planning and regulatory issues for security

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
Quiz	2 hours	40	Y	Individual
Literature Review	5-10 pages report	20	N	Individual
Applied Project	15 pages report + 15 minutes group presentation	40	N	Group

Teaching Periods

Autumn (2022)
Parramatta - Victoria Rd
Day
Subject Contact Yun Bai (https://directory.westernsydney.edu.au/search/name/Yun Bai/)

View timetable (https://classregistration.westernsydney.edu.au/even/timetable/?subject_code=COMP7007_22-AUT_PS_D#subjects)

Autumn (2023)
Parramatta - Victoria Rd
On-site
Subject Contact Yun Bai (https://directory.westernsydney.edu.au/search/name/Yun Bai/)

View timetable (https://classregistration.westernsydney.edu.au/odd/timetable/?subject_code=COMP7007_23-AUT_PS_1#subjects)