

Unit of Study: ICT5352 Cyber Security Management

Overview

Students in this unit will investigate how to establish and maintain an information security governance framework along with the supporting processes to ensure that an organisation's information security strategy is aligned with its goals and objectives. The content of this unit is aligned with the requirements of the Certified Information Systems Management Certification (CISM), which is an international industry certification developed by ISACA. Students may pursue this certification after completion of the unit.

Course	Master of Information Technology
Credit Points	8 credit points
Duration	12 weeks (10 teaching weeks; 1 revision week; 1 final assessment week)
Level	Postgraduate Advanced
Student Workload	Students should expect to spend approximately 13 hours per week over 12 weeks (totalling approximately 156 hours) on learning activities for this unit.
Mode(s) of Delivery	On campus, Blended
Pre-Requisites	ICT5250 Computer Networks and Security
Unit Coordinator	As per current timetable
Contact Information	Consultation: 1 hour scheduled session

Unit Learning Outcomes:

On successful completion of this unit, students will be able to:

- ULO1 Create an information security strategy that aligns with organisational goals and objectives.
- ULO2 Manage a set of security metrics that are appropriate to an organisation's business mission.
- ULO3 Evaluate appropriate risk treatment options as part of a risk management program.
- ULO4 Establish an incident response plan to ensure an effective and timely response to information security incidents.

Weekly Schedule

Detailed information for each week's activities can be found on Unit's Weekly Modules in Canvas.

Week	Topic
Week 1	Information security fundamentals
Week 2	Information security governance and strategy
Week 3	Cybersecurity threats
Week 4	Risk management part 1
Week 5	Risk management part 2
Week 6	Cybersecurity technology
Week 7	Information security program development
Week 8	Information security program management
Week 9	Security incident management part 1
Week 10	Security incident management part 2
Week 11	Revision
Week 12	Final Assessments

Assessments





1. All assessments are compulsory.
2. To pass the unit students must:
 - achieve a total of 50% or more of marks offered; and
 - pass all individual invigilated assessments; and
 - have attempted all assessments.


Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision.

3. The Board of Examiners may grant a supplementary assessment where a student:
 - achieves a total of 45% or more; and
 - has passed all individual invigilated assessments in the unit; and
 - has attempted all assessments; and
 - has a recommendation for supplementary assessment by the Unit Coordinator and the Head of Discipline.

Where one or more of these requirements are not met, the Board of Examiners will consider a student's overall progress towards meeting the unit learning outcomes and any special circumstances before reaching a decision. Attendance and engagement in class will be considered.

4. APIC awards common result grades as set out in the [Award of Grade Policy](#).
5. Detailed information for each assessment can be found on the Unit's Home Page and in the Assessment Brief.

Assessment Task	Type	Weighting	Due	Length	ULOs
Assessment 1: Workshop Quiz Students will complete in class workshop including situation analyses and practical application of skills.	Individual  Invigilated 	20%	Week 3	1 hour (equiv. 1000 words)	ULO1 ULO2
Assessment 2: Report Threat and Risk Assessment Report.	Individual 	30%	Week 6	2500 words	ULO3 ULO4
Assessment 3a: Report Students will develop an Information Security Roadmap for a given situation.	Group 	Part A 20%	Part A Week 10	Part A 3000 words	ULO1 ULO2 ULO3 ULO4
Assessment 3b: Presentation The Information Security Roadmap generated in part A will be presented in a		Part B 10%	Part B Weeks 10, 11	Part B (equiv.)	

plenary session to the class.				1500 words)	
Assessment 4: Critique Presentation Students will be allocated a roadmap from another group submitted as part of Assessment 3. Each student will prepare a critique on that report identifying strengths and weaknesses in the report and providing	Individual 	20%	Week 12	1500 words	ULO1 ULO2 ULO3 ULO4

equiv. – equivalent word count based on the Assessment Load Equivalence Guide.

Course Reserve

Course Reserve includes all required resources and reading material for the unit of study. You can access Course Reserve via [APIC Library](#) or via the Course Reserve link on the unit's homepage.

Prescribed text(s):

Gregory, P. H. (2022) *CISM Certified Information Security Manager All-In-One Exam Guide*, Second Edition. 2nd ed. New York: McGraw-Hill Education.

Academic integrity

Ethical conduct and academic integrity and honesty are fundamental to the mission of APIC and academic misconduct will not be tolerated by the College. It is the responsibility of every student to make sure that they understand what constitutes academic misconduct and to refrain from engaging in it. Please refer to APIC's [Academic Integrity Policy](#) for further details.

Other Important Information and Links

Special consideration If your academic work is impacted by significant documented illness, hardship, or other adverse circumstances beyond your control, you may make an application for Special Consideration. Please refer to the Assessment Policy for further details.	Late submission Penalties apply when work is submitted after the due date without approval. Please refer to the Assessment Policy for information about late submission.
Assessment appeals If you are concerned about a mark you have received for an assessment or final grade, you may apply to formally appeal the grade. Please see the Assessment Policy for further details.	Award of grades APIC awards common result grades, set out in the Award of Grade Policy .

<p>Expectations of student conduct</p> <p>Students are expected to conduct themselves in a manner that is consistent with a safe and respectful study environment. More information can be found in the Student Code of Conduct.</p>	<p>Study resources</p> <p>APIC Library and Student Learning Support resources and services can be accessed via the Student Lounge or your Dashboard on the OLS (Canvas).</p>
<p>Student Services</p> <p>The Student Services team provides administrative support for students and handles enquiries about enrolment, timetables, important dates and submitting forms. More information can be found on the Student Services page on the OLS (Canvas).</p>	<p>Key dates</p> <p>Key dates through the academic year, including teaching periods, census, payment deadlines and exams can be found on the Academic Calendar section of the APIC website.</p>

Changes and Updates to the Unit of Study Guide

This Unit of Study Guide may be updated and amended from time to time. Students will be notified of any changes to the unit via the Online Learning System (Canvas) space for the unit.

This Unit of study Guide was last modified on 13th May 2024.