CSIT988/CSIT488 – "Security, Ethics and Professionalism"

Autumn 2025

Workshop 1

I. Quick Quiz

1. What is the characteristic of information that enables user access to information in a usable format without interference or obstruction?

   a. Authentication
   b. Availability
   c. Privacy
   d. Authorization
   e. Confidentiality

2. True or False: Data corruption can occur either as a result of a deliberate attack, or for other reasons.

3. Which characteristic of information exists when a control provides assurance that every activity undertaken can be attributed to a named person or automated process?

   a. Privacy
   b. Confidentiality
   c. Authentication
   d. Accountability
   e. Identification

4. Which triple does NOT form a cell in the CNSS model?

   a. Education, Storage, Confidentiality
   b. Transmission, Technology, Integrity
   c. Availability, Policy, Processing
   d. Confidentiality, Integrity, Transmission
   e. Technology, Storage, Integrity

5. What are the four principles of the popular management theory?

6. What are the six P's of InfoSec management?

7. What are the knowledge areas of the Project Management Body of Knowledge?

8. Which project management tool uses a bar-chart like graphic to display project tasks and progress?

9. What are the core components of project plan and how do they depend on each other?

10. True or False: Work Breakdown Structure (WBS) is a project scheduling method that uses a network diagram to visually represent task dependencies and project timeline.

II.   Short-Answer Questions and Case Studies

1. Describe the CNSS model. What are its three dimensions?

2. Define the InfoSec processes of identification, authentication, authorization, and accountability.

3. The University of Wollongong uses the Moodle platform for e-learning. Discuss how the processes of identification, authentication, authorization, and accountability are enforced.

4. Define "project management." Why is project management of particular interest in the field of InfoSec? Why are project management skills important to the InfoSec professional?

5. A company has experienced an increase in phishing attacks targeting employees, leading to multiple security incidents. The CISO (Chief Information Security Officer) needs to resolve this issue effectively.

   Discuss how to apply the five-step problem solving method (in Lecture 02) to the above scenario.

6. A company is implementing an InfoSec Management System, that includes the following activities:

Activity	Description	Duration (Days)	Predecessors
A	Identify Assets & Risks	5	-
B	Define Security Policies	4	A
C	Conduct Risk Assessment	6	A
D	Develop Mitigation Plan	3	C
E	Obtain Management Approval	2	B, D
F	Implement Security Controls	7	E
G	Conduct Employee Training	5	E
H	Perform Security Testing	6	F
I	Final Review & Compliance Audit	4	G, H

a. Draw a PERT diagram for the above activities.
b. Identify the critical paths.
c. Calculate the slacks for non-critical paths.