ICT5350 Securing IT Systems

Unit Description

In this unit, students are introduced to a broad range of IT security related topics covering implementation, monitoring and administration of IT infrastructure in accordance with information security policies and procedures that ensure data integrity and confidentiality. Students will apply a broad set of concepts to protect computing infrastructure from cyber security threats and attacks through a series of workshops and simulations.

Credit Points	8 credit points
Duration	12 weeks (10 teaching weeks and 2 revision and assessment weeks)

Unit Learning Outcomes

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

1. Apply technical concepts and frameworks related to cyber security.
2. Justify strategies and measures to safeguards IT systems to mitigating risk and controls losses associated with adverse events.
3. Evaluate security risks, threats and vulnerabilities and discuss appropriate information security protection mechanisms.
4. Diagnose the cause of security incidents.
5. Develop a security incident response plans.