

IT6011

Introduction to Information Security



Course Aim To provide students with an understanding of what information security is and its value in modern technology. Students will gain a detailed knowledge of information security through practical skills and analysis of the security requirements of organisations.

Short Title Intro to Info Sec

Faculty EDICT

Polytechnic Level

Credits 15

Pre-requisites IT6004 (ITB5004)

Co-requisites None

Anti-requisites None

Version 3

Effective From February 1, 2017

Indicative NQF Level 6

Student Contact hrs 90

Self-directed hrs 60

Other directed hrs 0

Total learning hrs 150

Learning

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

Outcomes

- 1 Demonstrate detailed knowledge of the principles of information security and state measures to secure information.
- 2 Develop an information security policy to demonstrate security awareness.
- 3 Perform and report upon an ethical penetration test.
- 4 Demonstrate an understanding of cryptographic methods.
- 5 Identify and describe security implications for modern networks.

NQF Sub-strand

Theoretical
Understanding
Practical
Application of
knowledge
Practical
Application of
knowledge
Practical
Application of
knowledge
Theoretical
Understanding