

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 2
Effective From February 1, 2016
Indicative NQF Level 6
Student Contact hrs 90
Self-directed hrs 60
Other directed hrs 0
Total learning hrs 150

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

- 1 Define 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