

COURSE DETAIL

INTRODUCTION TO INFORMATION SECURITY

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Computer Science

UCEAP Course Number

104

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO INFORMATION SECURITY

UCEAP Transcript Title

INFORMATN SECURITY

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

This course introduces information and computer system security. It illustrates the fundamentals of how systems fail due to malicious activities and how they can be protected. The course also places emphasis on the practices of secure programming and implementation. Topics covered include classical/historical ciphers, introduction to modern ciphers and cryptosystems, ethical, legal and organizational aspects, classic examples of direct attacks on computer systems such as input validation vulnerability, examples of other forms of attack such as social engineering/phishing attacks, and the practice of secure programming.

Language(s) of Instruction

English

Host Institution Course Number

CS2107

Host Institution Course Title

INTRODUCTION TO INFORMATION SECURITY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Computer Science

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