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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed
2023-2024

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