COURSE DETAIL

CYBER SECURITY

Country
Hong Kong

Host Institution
University of Hong Kong

Program(s)
University of Hong Kong

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Computer Science

UCEAP Course Number
155

UCEAP Course Suffix

UCEAP Official Title
CYBER SECURITY

UCEAP Transcript Title
CYBER SECURITY

UCEAP Quarter Units
5.00

UCEAP Semester Units
3.30

Course Description

This course introduces the principles, mechanisms and implementation of cyber security and information protection. Topics include cyber-attacks and defense; notion and terms of cyber security; introduction to cryptography; symmetric key cryptography and public key cryptography; authentication techniques; access control methods; network and Internet security and protection (e.g. firewall and IDS); application and web security; analysis and models of secure systems; cyber threat assessment and penetration testing; mobile code security.

Language(s) of Instruction
English

Host Institution Course Number
COMP3355

Host Institution Course Title
CYBER SECURITY

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

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