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 Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Computer Science

Course Last Reviewed

Print