

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

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