

Course Syllabus:

Network Security course

Enroll to Excellence

Objectives:

This course aims for a better network security environment in terms of security policies, open source firewall, virtual private network (VPN) and intrusion detection technologies. Lab-sessions are included.

Medium:

Cantonese supplemented with English

Prerequisites:

Applicants should have sound background in Linux and TCP/IP.

Award of Certificate:

Students who achieve an attendance of 75% or above are qualified for the Attendance Certificate issued by the Department.

Topics include:

- Corporate Network Security Policies, threats and controls
- Firewall: Technologies, Stateful and stateless firewall, Transparent Proxy and Protocol or Application Gateway, Linux-based Firewall: ipchains & iptables, Internet Services against firewall, Demilitarized Zone (DMZ)
- Virtual Private Network (VPN): Concepts and technologies, IPSec and FreeS/WAN, VPN with Firewall
- Intrusion Detection System (IDS): Concepts, Network-based and Host-based IDS, tripwire or Snort or PortSentry setup and management.

Total Hours: 18