

Course Syllabus:

IT Security Elementary course

Enroll to Excellence

Objectives:

This course provides an opportunity for the general public and corporate users (especially for non-IT professionals) to get protected from computer security threats.

Medium:

Cantonese supplemented with English

Prerequisites:

Applicants should have basic knowledge about the use of computer and Internet.

Award of Certificate:

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

Topics include:

- Computer virus and anti-virus and virus-removal program
- E-mail worm, mail-client and address-book vulnerabilities, spamming, mass mailing, hoax
- Java-script and VB script (automatic running) problems
- Trojan horse, Spy-ware, Sniffing, Backdoor
- Denial of services: Ping of Death, SYN Flood, Port-scanning, Smurf/Fraggle attack
- Spoofing: IP, Blind, DNS Spoofing, Man-In-The-Middle-Attack
- Buffer-overflow: Operating System, Application Vulnerabilities and Patches
- Encryption and decryption; simple public-key and secret-key concepts
- Internet, Intranet and Firewall
- Backup and Recovery
- Web Security, SSL and E-banking Security
- Hong Kong Law and Code of Ethics

Total Hours: 6