

## Course Syllabus:

### Software Engineering I course

Enroll to Excellence

## Objectives:

This course provides an opportunity for applicants for the large computer project development in the engineering approach. Applicants will study the fundamentals of traditional software development and all phases of specification, analysis, design, implementation, testing and maintenance of the software development. Management issues will also be covered. Hands-on Exercises and group discussion will be included.

## Medium:

Cantonese supplemented with English

## Prerequisites:

Applicants should have the basic programming skill.

## Award of Certificate:

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

## Topics include:

- Software Development Life Cycle
- Project Planning and Scheduling, team organizations
- Requirement analysis and specification
- Structured Design
- Documentation of Software Systems
- Programming Languages and Standards
- Testing Strategies, Control and Audits
- Implementation and System changeover, reviews
- Software Re-engineering
- Social responsibilities of software engineer, Professional Ethics and practice

Total Hours: 30