

Course Syllabus:

C# Network Programming I course

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Objectives:

This course provides an opportunity for C# programmer to extend the knowledge of Network Programming.

Medium:

Cantonese supplemented with English

Prerequisites:

Applicants should possess C# 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:

- Features of TCP and UDP programming
- C# Socket Programming: IP addresses in C#, Using C# Socket, C# Socket Exceptions, C# Socket Helper Classes
- Connectionless Sockets: UDP Server and client, Preventing Lost Data and Lost Packets
- Connection-Oriented Sockets: TCP Server and client, Data Buffers and TCP Messages
- Using C# Streams with TCP: Network Stream, StreamReader and Stream Writer Classes, BSD-Style Socket in C#

Total Hours: 21