

## Course Syllabus:

**.NET with C# (Overview) course**

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## Objectives:

This course is an intensive taught and hands-on workshop in which each student will be expected to acquire the rapid application development experience. It gives an overview of .NET framework and also focuses on building applications with the C# programming language within VS .NET 2003.

**Important:** C# syntax will be covered in other courses.

## Medium:

Cantonese supplemented with English

## Prerequisites:

Basic programming (such as C or C++ or Java) and HTML language skills

## Award of Certificate:

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

## Topics include:

- Overview of the .NET and .NET Framework: CLR, CTS, CLS, MSIL, Private and shared assembly, Garbage collection, Remoting, Interoperability, Security
- C# language and object-oriented concepts
- Creating Windows-based applications: Forms and Controls
- Using ADO.NET to access and manipulate database data
- Using ASP.NET to create web application: view/session/application management
- Accessing databases in web application with ADO.NET
- Building and Exposing XML Web services: remoting
- Integrating Web services into your application: consuming data objects in web application, manipulating data via Web services

**Total Hours: 9**