Course Objectives
To give students background and confidence in active and immediate usage of the .NET environment, in general and specifically, C# language. The course emphasizes interaction with DBMS, Windows based interfaces (Win Forms) and advanced web interfaces such as AJAX and WPF (Silver Light).

Syllabus

Day 1: C# 3.0
- Overview of the Microsoft .NET Framework 3.5
- Introduction to Visual Studio 2008
- C# 3.0 Language and Syntax
- Inheritance
- (Optional) Delegates and Events

Day 2: ADO.Net and LINQ
- Working with disconnected data, the Dataset
- Accessing Data by Using ADO.Net
- Distributed Application Architecture and the Date Access Layer (DAL)
- C# Anonymous Types
- (Optional) Introducing Language Integrated Query (LINQ)

Day 3: WIN Forms and Data Binding
- Introduction to Win Forms
- Building rich clients using Win Forms
- Events handling
- Compiling, Testing, and deploying .NET Framework Applications
- Win Forms Data Binding

Day 4: ASP.Net and AJAX
- Introduction to ASP.Net
- Working with ASP.Net Server controls.
- Data Binding ASP.Net
- Creating Web Applications with ASP.Net and AJAX
- Tracing and Debugging
- (Optional) Building AJAX Controls

Day 5: Introduction to .Net 3.5: WPF & Silver Light, WCF, WF
- Introduction to Windows Presentation Foundation Applications (WPF)
- Introduction to Microsoft Silver Light
- (Optional) Introduction to SOA and ASP.Net Web Services
- (Optional) Introduction to Windows Communication Foundations (WCF)
- (Optional) Introduction to Windows Workflow Foundation (WF)

For registration information and more see: http://www.cs.bgu.ac.il/~frankel/