

Course Syllabus

Course Title: Introduction to VB.NET Visual Studio

Course Description:

VB.NET has been a favorite of business programmers for many years due to its ease of use and powerful features. Visual Studio.NET offers several enhancements to this programming tool. This course will cover essential VB.NET fundamentals for students with some programming experience but no Visual Basic experience. Topics covered include the fundamentals of programming in .NET (variable, loops, data structures, etc.) database programming, windows programming, and web programming.

Course Prerequisite(s):

Experience programming in C, C++, Visual Basic, Java or other programming language.

Course Objectives:

1. Able to create windows forms applications including multiple document interface applications.
2. Able to create applications that interact with databases such as SQL Server and Microsoft Access.
3. Understand the basics of .NET.
4. Understand the fundamentals of VB.NET programming (variable, controls, loops, decision structures, etc.)
5. Able to create basic web applications using web forms.

Student Expectations:

Textbook(s):

Murach's Visual Basic 2008
Boehm; Murach Publishing
ISBN: 978-1-890774-45-5

Certification Notes:

Next Class Possibilities:

VB.NET Web Programming, ASP.NET 2.0, ADO.NET 2.0

Instructor Notes:

Students enrolled in this class can download VB.NET Visual Studio 2008 Professional Edition for free from Microsoft.

Additional Resources:

<http://msdn.microsoft.com/vbasic>

<http://msdn.microsoft.com/VBasic/downloads/Code/101Samples/>

Lesson Plan – by week or session

- Session 1: Introduction to Visual Studio 2008 (Chapter 1)
- Session 2: Windows Form Applications (Chapters 2 & 3)
- Session 3: Basic Coding Techniques (Chapters 4, 5, & 6)
- Session 4: Coding Techniques continued (Chapters 7, 8, 9, & 11)
- Session 5: Database Programming (Chapters 13, 14)
- Session 6: Database Programming continued (Chapters 15, 16)
- Session 7: Object Oriented Programming (Chapters 17, 18)
- Session 8: Object Oriented Programming continued (Chapters 19, 20)
- Session 9: Other Programming Skills and Deployment (Chapters 21-25)