



CENTRAL PIEDMONT COMMUNITY COLLEGE

CORPORATE & CONTINUING EDUCATION

Course Number: DPT7552
Course Name: Programming with Visual Basic .Net
Course Length: 28 Hours

Last Revised On: 6/9/09

Description:

Take an object-oriented approach when learning the next generation of Visual Basic. This class explores the .NET platform, discussing Visual Basic as an object-oriented, data-driven language. Tackling the numerous changes and enhancements to the .Net framework, this class is designed for individuals with little or no programming background and introduces sound programming techniques through hands-on exercises and end-of-chapter case problems. It offers real-world MIS and business-related examples to help prepare readers for their first job experience using Visual Basic.NET.

Objective:

Upon successful completion of the course, students will have a working knowledge of all areas of Visual Basic .Net Programming.

Content:

1. Getting starting with VB .Net
 - Introducing Visual Studio .NET
 - The Facts about Programming Languages
 - VB .NET Programming Concepts
 - Configuring VB .NET
 - Configuring the Menu Bar and Toolbar in VB .NET
 - Windows of the MDE
 - Getting Help
 - Opening a VB .NET Solution
 - Tool Windows Used for Development
 - Creating Control Instances on a form
 - Exploring Operating Modes

2. Creating a First VB .NET Solution
 - Creating a New Solution
 - Designing the User Interface
 - Setting Properties at Design Time
 - Creating a User Interface
 - The Code Editor
 - Creating an Event Handler
 - Programming Errors
 - Assignment Statements



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3. Introduction to Numeric Data Types and Variables
 - Previewing the completed Solution
 - The Textbox Control
 - The AcceptButton and CancelButton Properties
 - Setting the Tab order
 - Explicitly setting the Input Focus
 - Tool Tips
 - Storing Data in Variables
 - The Organization of Namespaces
 - Creating well-written comments
 - Understanding focus
 - The Role of Precedence in Expressions
 - Type Conversion
 - Formatting Numeric Value with Methods
 - Continuation Lines
 - Calculating the Solution Output
 - Intrinsic Functions

Prerequisites:

- No previous experience with Visual Basic is necessary; however any experience with Basic will be helpful.

Method of Instruction:

- Lecture, demonstration and hands-on use.

Evaluation:

- Exam: No