# Programming Applications of Access 2010: Level 1

## Course Introduction/Objectives

**Course Objectives**

1. **Introduction to Visual Basic for Applications (VBA)**
   - General VBA Information
   - When to Consider Using VBA
   - VBA Programming Definitions

2. **Object-Oriented and Event-Driven Programming**
   - Object-Oriented Programming Model
   - Event-Driven Application

3. **The Visual Basic Editor (VBE)**
   - Accessing the Visual Basic Editor Window
   - The Visual Basic Editor Toolbar
   - The Project Window
   - The Properties Window
   - The Object and Event Dropdown List Boxes
   - The Visual Basic Editor Code Window
   - The Immediate Window
   - Errors

4. **Variables and Data Types**
   - Advantages of Using Variables
   - Rules and Suggestions for Naming Variables in VBA
   - Variable Declaration
   - Option Explicit
   - Variable Initialization (also called Variable Assignment)

5. **Constants**
   - Literal Constants
   - Symbolic Constants
   - Built-in Constants

6. **Methods of Programming: Subprocedures and Functions**
   - Subprocedures (also called procedures, subroutines or routines)
   - Function Procedures

7. **VBA Modules and Procedures**
   - Standard Modules
   - Class Modules
   - Form and Report Modules
   - Where Should I Write the Code?
   - Procedure and Variable Scope