Course Title: Microsoft Access VBA I

Course Description:
Advanced topics focusing on creating VBA applications. Students are not expected to have prior experience with VBA, but should be very familiar with Microsoft Access.

Course Prerequisite(s):
Microsoft Access III

Course Objectives:
1. Understand the role of VBA in Access
2. Create and debug functions and procedures using the VB Editor
3. Create flow-of-control structures in VBA
4. Automate activities involving Access forms and reports
5. Use VBA to integrate with other Office applications

Textbook(s):

Required:
Access 2016 Programming by Example with VBA, XML and ASP
by Julitta Korol
Mercury Learning & Information, 9781942270843

Optional:
Access 2016 Bible
John Wiley & Sons Inc, 9781119086543

Next Class Possibilities:
Microsoft Access VBA II

Instructor Notes: I suggest obtaining a flash drive to store your class files.

Session 1: Writing Procedures in Modules
Exploring the Visual Basic Editor (VBE)

Session 2: Using Variable, Data Types, and Constants
Passing Arguments to Procedures and Functions

Session 3: Decision Making with VBA
Repeating Actions in VBA

Session 4: Working with Arrays
Working with Collections and Class Modules

Session 5: VBE Tools for Testing and Debugging
Conditional Compilation and Error Trapping

Session 6: Data Access Technologies in MS Access
Creating and Accessing Database Tables and Fields