Course Title: Microsoft Access VBA Level II

Course Description:
Advanced topics focusing on creating VBA applications. Students are expected to have prior experience with VBA similar to the Access VBA Level I course, and should be very familiar with Microsoft Access.

Course Prerequisite(s):
Microsoft Access VBA Level I or equivalent experience

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):
MS Access 2010 Programming by Example with VBA, XML and ASP
Publisher: Mercury Learning and Information; ISBN: 978-1936420025

Next Class Possibilities:
Excel VBA I

Session 1: Setting Up Primary Keys, Indexes and Table Relationships
Finding and Reading Records
Working with Records

Session 2: Creating and Running Queries with DAO/ADO
Using Advanced ADO/DAO Features
Implementing Database Security

Session 3: Database Replication
Creating, Modifying and Deleting Tables and Fields
Enforcing Data Integrity and Relationships between Tables

Session 4: Defining Indexes and Primary Keys
Database Security
Views and Stored Procedures

Session 5: Enhancing Access Forms
Using Form Events
Events Recognized by Form Controls

Session 6: Enhancing Access Reports and Using Report Events
Advanced Event Programming
Programming the User Interface

If time permits:
Macros and Templates
Access and Active Server Pages
XML Features in Access 2010