

Course Outline



Tel: +44 (0) 118 979 4000

Fax: +44 (0) 118 979 4000

Email: training@ptr.co.uk

Web: www.ptr.co.uk

Advanced Visual Basic 6.0 Programming Concepts - Level 3

Course Description:

This course, designed for professional, seasoned Visual Basic developers, will introduce you to more advanced concepts. You will learn to control other applications using Automation, learn some advanced class module tips, and build ActiveX components and controls. You will also see how to start building client/server applications in Visual Basic using ADO and explore many of the Visual Basic features that make it useful for building Internet-enabled applications.

Pre-requisites:

Visual Basic 6.0 Programming - Level 2 or equivalent experience.

Course Content:

- **Controlling Applications Using Automation**
 - What is Automation?
 - Working with Other Applications
 - Introducing WithEvents
- **Creating Automation Components**
 - Creating and Using an ActiveX Code Component
 - Raising Events from ActiveX Components
 - Registering ActiveX Components
 - Handling Errors in ActiveX Components
 - In-Process vs. Out-of-Process Components
 - Understanding Instancing

21a Peach Street Wokingham Berkshire RG40 1XJ

Tel 0118 979 4000 **Fax** 0118 979 4035 **Email** training@ptr.co.uk **www** www.ptr.co.uk

Registered Office: Grenville Court Britwell Road Burnham Bucks SL1 8DF Company Registered No: 2442290 – VAT registration No:532 1929 56

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- **Advanced Class Module Issues**
 - Creating a Collection Class
 - Creating Default Members
 - Creating an Enumeration Function
 - Adding Enumerated Types
- **Building ActiveX Controls**
 - What is an ActiveX Control, Anyway?
 - Creating the ProgressMeter Project
 - Adding the TestMeter Project
 - Running the ProgressMeter at Design Time
 - Setting Up the Controls Resize Event Procedure
 - Working with the ProgressMeter's Properties
 - Using the ActiveX Control Interface Wizard
 - Giving the ProgressMeter a Property Page
 - Adding Events to the ProgressMeter Control
 - Compiling the ProgressMeter Control
 - Distributing the ProgressMeter Control
 - ActiveX Controls and the Internet
- **Advanced ADO Topics**
 - Reviewing OLE DB and ADO
 - Managing Connections
 - Working with Data
 - Creating Recordsets in Memory
 - Persisting Recordsets
 - Retrieving Multiple Result Sets

Course Duration:

2 Days