Course Title: Microsoft .NET Framework: Windows Communication Foundation

Course Description:
Design and deploy distributed applications under service-oriented architecture (SOA) implementation.

Course Prerequisite(s):
Any programming language

Course Objectives:
Demonstrate knowledge of WCF fundamentals.

Next Class Possibilities:
C# Web Programming with Visual Studio

Textbook(s):
Windows Communication Foundation 4 Step by Step
Microsoft Press; Sharp; ISBN: 978-0735645561

Lesson Plan – by week or session
Session 1: Introducing Windows Communication Foundation
Hosting a WCF Service
Session 2: Making Applications and Services Robust
Protecting an Enterprise WCF Service
Protecting a WCF Service over the Internet
Session 3: Maintaining Service Contracts and Data Contracts
Maintaining State and Sequencing Operations
Session 4: Implementing Services by Using Workflows
Supporting Transactions
Session 5: Implementing Reliable Sessions
Programmatically Controlling the Configuration and Communications
Session 6: Implementing One-Way and Asynchronous Operations
Implementing a WCF Service for Good Performance
Session 7: Discovering Services and Routing Messages
Building REST Services
Session 8: Using a Callback Contract to Publish and Subscribe to Events
Managing Identity with Windows CardSpace
Integrating with ASP.NET Clients and Enterprise Service