



## Course 2957B: Advanced Foundations of Microsoft .NET 2.0 Development

### Course Syllabus

#### Module 1: Enhancing User Interfaces by Using System.Drawing

- Drawing Fundamentals
- Drawing Lines and Shapes
- Rendering Bitmaps and Icons

#### Module 2: Working with Cultures by Using System.Globalization

- Working with Culture Information
- Formatting and Sorting Culture-Sensitive Data
- Creating a Custom Culture

#### Module 3: Processing Text by Using Regular Expressions and Encodings

- Handling Text and Large Strings
- Using Regular Expressions
- Encoding Text

#### Module 4: Encrypting and Hashing Data by Using Cryptography

- Working with Encryption and Hashing
- Encrypting and Decrypting Data
- Hashing Data
- Extending Cryptography

#### Module 5: Securing Code Execution and Resources

- Using Code Access Security
- Securing Code Execution by Using Policy
- Securing Resources by Using Access Control

#### Module 6: Application Interoperability

- Using the Platform Invoke Service
- Integrating COM Components into a .NET Framework Application
- Integrating Managed Components into an Unmanaged Application

#### Module 7: Reflection, Metadata, and Emitting Objects

- Reflecting on Objects
- Adding Assembly Metadata
- Emitting Objects by Using Builder Classes

#### Module 8: Services, Threading, and Application Domains

- Creating and Installing Windows Services
- Creating Multithreaded Applications
- Manually Working with Application Domains

<b>Number of Days:</b>	<b>3</b>
<b>Certification Exams:</b>	<b>70-536: Microsoft .NET Framework 2.0—Application Development Foundation</b>