

## APPENDIX 2: Syllabus

**Software Solution Developer Associate Program**  
.NET Fundamentals - 582- 40372A

<b>Subject Description:</b>	This course helps students build an understanding of these topics: .NET Framework Concepts, Namespaces and Classes in the .NET Framework, .NET Code Compilation, I/O Classes in the .NET Framework, Security, .NET Languages, and Memory Management.	
<b>Subject Hours:</b>	28 Contact Hours	(14 hours lecture, 14 hours lab)
<b>Performance Objectives:</b>	Upon completion students will understand: <ul style="list-style-type: none"><li>• .NET Framework Concepts, Namespaces and Classes in the .NET Framework, .NET Code Compilation, I/O Classes in the .NET Framework, Security, .NET Languages, and Memory Management.</li></ul>	
<b>Prerequisites:</b>	582-40363A Web Development Fundamental	
<b>Required Textbooks:</b>	Windows Developer Fundamentals - 11 Edition By: Microsoft Official Academic Course	
<b>Instructional Methods:</b>	Lab, E-Learning, and Classroom Instruction	
<b>Maximum Student: Instructor Ratio:</b>	16:1	
<b>Content Outline:</b>	Understanding Object-Oriented Programming Understanding Data Types and Collections Understanding Events and Exceptions Understanding Code Compilation and Deployment Understanding Input/output (I/O) Classes Understanding Security	
<b>Basis of Grades:</b>	Test/Quizzes	25%
	Final Exam	25%
	Class/Homework Assignments	25%
	Lab Assignments	25%