

**AUSTIN COMMUNITY COLLEGE
CONTINUING EDUCATION**

Web Applications with ASP.NET Part I:

(18 hours)

ITNW 6066

COURSE SYLLABUS

Course Description: Learn about structure and architecture of Microsoft's .Net platform initiative; products and languages of the .NET platform; and the ASP.NET development tools. Covers ASP.NET development fundamentals and the available languages for developing ASP.NET applications as well as programming basics. **Prerequisites:** Introduction to Programming Languages or equivalent experience.

Objectives: Every student will be able to:

- Describe the Microsoft .NET Framework and ASP.Net.
- Create an ASP.Net Web application by using Visual Studio.Net
- Create a component in Visual Basic.Net
- Add server controls to an ASP.Net page
- Add functionality to server controls that are located on the ASP.Net page.

Rationale: Microsoft's .NET framework represents a major change in the way that Web applications are built and run. This course is designed to give students a look into this new technology for Web applications, and get them started creating their web applications using ASP.Net

Required Material: Microsoft ASP.Net Step By Step - Andrew Duthie

Type of Course: Short Course

Evaluation: Students will be evaluated on their competency in performing a variety of hands-on exercises created to insure the student has achieved all course objectives

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Course Outline:

1. Overview of the Microsoft .NET Framework (2.5 hours)
 - a. Overview
 - b. Introduction to the .NET Framework
 - c. Overview of ASP.Net
 - d. Resources
2. Using Microsoft Visual Studio.NET (3.5 hours)
 - a. Overview
 - b. Overview of Visual Studio.NET
 - c. Creating an ASP.Net Web Application Project
 - d. Lab: Using Visual Studio.NET
3. Using Microsoft .NET-Based Languages (2.5 hours)
 - a. Overview
 - b. Overview of the .NET-Based Languages
 - c. Comparison of the .NET-Based Languages
 - d. Creating a Component Using Visual Studio.NET
 - e. Lab: Building a Visual Studio.NET Component
4. Creating a Microsoft ASP.Net Web Form (5 hours)
 - a. Overview
 - b. Creating Web Forms
 - c. Using Server Controls
 - d. Lab: Creating an ASP.NET Web Form
5. Adding Code to a Microsoft ASP.Net WebForm (4.5 hours)
 - a. Overview
 - b. Using Code-Behind Pages
 - c. Adding Event Procedures to Web Server Controls
 - d. Using Page Events