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 throughout the course, and class participation. In order to grant CEU credit for a course...
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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