

**J. Sargeant Reynolds Community College  
Course Content Summary**

**Course Prefix and Number:** ITP 244

**Credits:** 4

**Course Title:** ASP.NET - Server Side Programming

**Course Description**

Teaches the creation of ASP.NET Web applications to deliver dynamic content to a Web site utilizing server controls, Web forms, and Web services to accomplish complex data access tasks. Prerequisite: ITP 112 or ITP 136 or school approval. Lecture 4 hours per week.

**Course Prerequisites/Corequisites**

ITP 112 or ITP 136 or school approval

**Course Objectives** (Each item should complete the following sentence.)

Upon completing the course, the student will be able to:

- a. Apply the fundamentals of Web application design, development, and deployment using ASP.NET (Active Server Pages) and the .NET framework.
- b. Use .NET languages (Visual Basic.NET) to manage and create web forms and server controls, to accomplish complex data access tasks and implement dynamic content.

**Major Topics to be Included**

- a. Introduction to Web Server Technology and Web-based applications
- b. .NET framework
- c. XML
- c. Web Forms and ASP.NET
- d. Configuration, Scope, and State
- e. Web Design including CSS, themes, master pages and navigation
- f. Database Controls, Access and updates
- g. Validation

**Effective Date of Course Content Summary:** October 20, 2008