Course Prefix and Number: ITP 244  
Credits: 4

Course Title: ASP.NET - Server Side Programming

Course Description: Entails instruction in 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 or Co-requisite: ITP 236 or IT faculty approval. Lecture 4 hours per week.

General Course Purpose: Serves as a required course for the Information Systems Technology AAS degree - Computer Programmer specialization. The course may also be used as an IT elective for the Microcomputer Applications and Internet Applications Development specializations of the Information Systems Technology AAS degree.

Course Prerequisites and Co-requisites:
Prerequisites or Co-requisite: ITP 236 or IT faculty approval

Course Objectives:
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; and
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
   d. Web forms and ASP.NET
   e. Configuration, scope, and state
   f. Web design including CSS, themes, master pages, and navigation
   g. Database controls, Access, and updates
   h. Validation

Effective Date of Course Content Summary: January 20, 2017