MASTER SYLLABUS

Introduction to ASP for Web Development
WEB 2702

Class Hours: 1          Credit Hours: 1
Laboratory Hours: 0.0    Revised: Spring 08
NOTE: This course is not designed for transfer credit.

Catalog Course Description:

This course is designed to enhance the skills and knowledge of the professional Web author by giving an introduction to the ASP programming language.

Entry Level Standards:

Basic knowledge of HTML and database technologies.

Prerequisites:

WEB 2200 or WEB 2001 and 2002 and 2003 or consent of instructor.

Textbook(s) and Other Course Materials:


2) Web server space will be provided by PSTCC.

3) Hardware and Software Requirements:

   • Pentium-Based Computer 300 MHz minimum (Pentium III/750 MHz preferred) processing speed

   • 128 MB RAM

   • Monitor capable of at least 800 x 600 resolution

   • CD-ROM drive

   • 56 kbps modem with Internet access (high speed such as cable modem or DSL recommended if possible)

   • Operating System: Windows 98, 98SE, ME, Windows 2000, or XP

   • Internet connection

   • Basic text editor (Notepad or WordPad)

   • FTP or Telnet software

I. Week/Unit/Topic Basis:

<table>
<thead>
<tr>
<th>Week</th>
<th>Topic</th>
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1. Class Introduction

   Active Server Pages

2. Using VBScript

   ASP Intrinsic Objects

3. ASP Default Components

   ActiveX Data Objects

   Quiz One

4. Error Handling and Debugging for ASP Applications

   Data Integrity and Security Issues

5. String Manipulation and File Input/Output

   Quiz Two

II. Course Objectives*:

   A. Understand how server-side processing occurs with ASP.NET pages. I, II, III, IV, VI

   B. Create Web pages using Microsoft ASP.NET Web Matrix. I, II, III

   C. Understand Visual Basic.NET Variables and Operators. II, III

   D. Understand the role of objects in an ASP.NET web application. II, III

   E. Learn about how ASP.NET web controls display text. II, III

   F. Understand how to collect and process user input with ASP.NET II, III, IV, V

   G. Learn about databases and how to integrate data into a web page using a DataGrid II, III, IV, V

*Roman numerals after course objectives reference goals of the WEB program.

III. Instructional Processes*:

Students will:

1. Demonstrate use of work ethic by demonstrating qualities such as honesty, preparedness, timeliness, dependability, and cooperation. Transitional Strategy

2. Use professionally accepted methods and materials in completion of projects. Technological Literacy Outcome, Transitional Strategy, Active Learning Strategy
3. Learn the appropriate use of web-related technologies and their applications in industry. *Technological Literacy Outcome*

4. Use critical thinking skills to solve problems. *Communication Outcome, Active Learning Strategies*

5. Gain sufficient knowledge to achieve a strong foundation in the selected topic, helping the student gain critical skills for the working environment. This process will be take place using a variety of methods, including working through relevant examples in the textbooks and developing components to be included in websites. *Transitional Strategies, Active Learning Strategies*

*Strategies and outcomes listed after instructional processes reference TBR’s goals for strengthening general education knowledge and skills, connecting course work to experiences beyond the classroom, and encouraging students to take active and responsible roles in the educational process.

IV. Expectations for Student Performance*:

Upon successful completion of this course, the student should be able to:

1. Discuss basic facts associated with ASP.NET. A

2. Demonstrate the ability to use ASP.NET to produce Web applications. A, B,

3. Demonstrate the ability to use controls to create, process, and validate Web forms. A, B, E, F

4. Demonstrate the ability to manipulate and retrieve data using ASP.NET controls. A, B, E, F

5. Demonstrate the ability to understand the importance of the database and its integration with ASP.NET, using a DataGrid to access and manipulate data. A, B, G

*Letters after performance expectations reference the course objectives listed above.

V. Evaluation:

A. Testing Procedures: 20%

   Quizzes: 20% of grade. Students will be given midterm and final exams over textbook content during the semester. These exams will consist of true/false, multiple choice, and essay questions.

B. Laboratory Expectations:

   N/A

C. Field Work:

   N/A

D. Other Evaluation Methods: 80%

   Projects: 75% of grade.
Class Participation: 5% of grade

E. Grading Scale:

<table>
<thead>
<tr>
<th>Score Range</th>
<th>Grade</th>
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<tbody>
<tr>
<td>90-100</td>
<td>A</td>
</tr>
<tr>
<td>80-89</td>
<td>B</td>
</tr>
<tr>
<td>70-79</td>
<td>C</td>
</tr>
<tr>
<td>60-69</td>
<td>D</td>
</tr>
<tr>
<td>below 60</td>
<td>F</td>
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</tbody>
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VI. Policies:

A. Attendance Policy:

Pellissippi State Technical Community College expects students to attend all scheduled instructional activities. As a minimum, students in all courses must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course (Pellissippi State Catalog). Individual departments, programs, or disciplines, with the approval of the vice president of Academic and Student Affairs, may have requirements that are more stringent.

B. Academic Dishonesty:

Plagiarism, cheating and other forms of academic misconduct are prohibited. A student guilty of academic misconduct, either directly or indirectly through participation or assistance, is immediately responsible to the instructor of the class. In addition to other possible disciplinary sanctions that may be imposed through the regular Pellissippi State procedures as a result of academic misconduct, the instructor has the authority to assign an F or a zero for the exercise or examination or to assign an F in the course. (Pellissippi State Catalog)

C. Accommodations for disabilities:

If you need accommodations because of a disability, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please inform the instructor immediately. Please see the instructor privately after class or in his/her office. Students must present a current accommodation plan from a staff member in Services for Students with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by going to Goins 127 or 131 or by phone: 694-6751(Voice/TTY) or 539-7153.

D. Other Policies:

Use of Equipment:

Any act of misuse, vandalism, malicious or unwarranted damage or destruction, defacing, disfiguring, or unauthorized use of property/equipment belonging to Pellissippi State is subject to disciplinary sanction.