

PELLISSIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS

**SERVER-SIDE WEB DEVELOPMENT (ASP/PHP)
WEB 2603**

Class Hours: 3

Credit Hours: 3

Laboratory Hours: 0.0

Revised: Spring 2016

NOTE: This course is not designed for transfer credit.

Catalog Course Description:

This course covers the server-side scripting languages of PHP and ASP and how the languages interact with a database. PHP and ASP objects will be covered.

Entry Level Standards:

Basic knowledge of Windows operating systems and programming language concepts

Prerequisites:

WEB 2010 and CSIT 1810

Textbook(s) and Other Course Materials:

Peter MacIntyre. PHP: The Good Parts. O'Reilly. 2010 ISBN: 9780596804374

Imar Spaanjaars. Beginning ASP.NET 4.5.1 in VB and C# . Wiley. 2014 ISBN: 9781118846773

I. Week/Unit/Topic Basis: (Tentative Schedule)

- | | |
|-----|---------------------------------|
| 1 | Introduction to PHP |
| 2 | PHP Fundamentals |
| 3 | PHP Statements and Flow Control |
| 4-5 | PHP Arrays |
| 6-7 | PHP Functions |
| 8 | String Manipulation |
| 9 | Debugging PHP and PHP Security |
| 10 | Active Server Pages |
| 11 | Using VBScript |
| 12 | ADP Intrinsic Objects |
| 13 | ASP Default Components |
| 14 | Error Handling and Debugging |

II. Course Goals*:

The course will:

- A. Understand how server-side processing occurs with PHP and ASP pages. I, II, III, IV, VI
- B. Create and run PHP and ASP scripts. I, II, III
- C. Learn to create, access, and manipulate data in variables. II, III
- D. Understand the role of objects in an ASP web application. II, III
- E. Learn to use conditional test statements and looping statements. II, III
- F. Understand how to collect and process user input with PHP and ASP. II, III, IV, V
- G. Learn to use functions to perform tasks within a script. II, III
- H. Learn to organize data within an array. II, III
- I. Learn to integrate files into scripts. II, III, IV
- J. Learn about regular expressions and pattern matching. II, III
- K. Learn about databases. II, III, IV, V

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

III. Expected Student Learning Outcomes*:

The student will be able to:

- 1. Discuss basic facts associated with PHP and ASP. (A)
- 2. Demonstrate the ability to use PHP and ASP 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 PHP and ASP controls. (A, B, E, F)
- 5. Demonstrate the ability to understand the importance of the database and its integration with PHP and/or ASP. (A, B, G)

* Capital letters after Expected Student Learning Outcomes reference the course goals listed above.

IV. Evaluation:

A. Testing Procedures: 25 percent of grade.

Students will be given midterm and final exam.

B. Laboratory Expectations:

N/A

C. Field Work:

N/A

D. Other Evaluation Methods:

- Project and Assignments: 70 percent of grade. Students will be given several chapter-based assignments (a.k.a. case problems). The assignments will be completed in the course of reading and working through the textbook. The files will be uploaded to a student web server space or dropbox.
- Online Communication Tools and Participation: 5 percent of grade. Since this is an online class, attendance will be graded based on weekly discussion board participation. This participation will be based on quantity and quality of postings. Quality participation is required to pass this course.

E. Grading Scale:

A	90-100 %
B+	85-89 %
B	80-84 %
C+	75-79 %
C	70-74 %
D	60-69 %
F	0-59 %

V. Policies:

A. Attendance Policy:

Pellissippi State expects students to attend all scheduled instructional activities. As a minimum, students in all courses (excluding distance learning courses) must be present for at least 75 percent of their scheduled class and laboratory meetings in order to receive credit for the course. Individual departments/programs/disciplines, with the approval of the vice president of Academic Affairs, may have requirements that are more stringent. In very specific circumstances, an appeal of the policy may be addressed to the head of the department in which the course was taken. If further action is warranted, the appeal may be addressed to the vice president of Academic Affairs.

B. Academic Dishonesty:

Academic misconduct committed either directly or indirectly by an individual or group is subject to disciplinary action. Prohibited activities include but are not limited to the following practices:

- Cheating, including but not limited to unauthorized assistance from material, people, or devices when taking a test, quiz, or examination; writing papers or reports; solving problems; or completing academic assignments.
- Plagiarism, including but not limited to paraphrasing, summarizing, or directly quoting published or unpublished work of another person, including online or computerized services, without proper documentation of the original source.
- Purchasing or otherwise obtaining prewritten essays, research papers, or materials prepared by another person or agency that sells term papers or other academic materials to be presented as one's own work.

- Taking an exam for another student.
- Providing others with information and/or answers regarding exams, quizzes, homework or other classroom assignments unless explicitly authorized by the instructor.
- Any of the above occurring within the Web or distance learning environment.

Please see the Mississippi State Policies and Procedures Manual, Policy 04:02:00 Academic/Classroom Conduct and Disciplinary Sanctions for the complete policy.

C. Accommodations for disabilities:

Students that need accommodations because of a disability, have emergency medical information to share, or need special arrangements in case the building must be evacuated should inform the instructor immediately, privately after class or in her or his office. Students must present a current accommodation plan from a staff member in Disability Services (DS) in order to receive accommodations in this course. Disability Services may be contacted by sending email to disabilityservices@pstcc.edu, or by visiting Alexander 130. More information is available at <http://www.pstcc.edu/sswd/>.

D. Other Policies:

Students must have a valid PSCC ID to be presented on demand to gain access to PSCC facilities.