

PELLISSIPPI STATE COMMUNITY COLLEGE
MASTER SYLLABUS

WEB SPECIAL TOPICS – jQUERY
WEB 2501

Class Hours: 3.0

Credit Hours: 3.0

Laboratory Hours: 0.0

Revised: Fall 2014

Catalog Course Description:

This course is designed for Web design students to learn the open-source JavaScript library (jQuery). jQuery greatly simplifies the process of adding advanced functionality and interactive elements to a dynamic page on a web site while emphasizing a high quality user interface experience.

Entry Level Standards:

Basic Knowledge of HTML and CSS

Prerequisites:

CSIT 2230 or WEB 1600 or consent of program coordinator

Textbook(s) and Other Course Materials:

Learning jQuery, by Chaffer & Swedberg, 4th edition, ©2013, Packet Publishing, ISBN: 178216314X.

I. Week/Unit/Topic Basis:

Week	Topic
1	Introduction to jQuery
2	Overview of selectors and filters
3	Creating and setting content
4	Inserting content
5	Working with events
6	Working with animation and effects
7	Introduction to jQuery UL
8	Downloading and installing jQuery UL
9	Manipulating attributes
10	Wrapping and removing content

- 11 Working with CSS
- 12 Testing Your Site
- 13-14 Testing your Site (continued)
- 15 Uploading your site to a server, Final Exam Period

II. Course Goals*:

The course will

- A. Implementing core jQuery functions and utilities
- B. Navigating among the contents of documents using jQuery
- C. Manipulating contents, working with CSS data
- D. Adding advanced functionality to your sites using jQuery II, VI
- E. Understand how to work with complex effects and dynamic page formatting . I, II
- F. Loading content using jQuery's load function. I, III
- G. Using jQuery different types of filters. I, III

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

III. Expected Student Learning Outcomes*:

Students will be able to:

- 1. Use jQuery skillfully. (A, B)
- 2. Understand jQuery structure and interface. (A, B)
- 3. Wrap, replace and remove content. (A, G)
- 4. Work with CSS and jQuery to create rich content. (B, C, E, G)
- 5. Understand jQuery statement chaining. (E, F, G)
- 6. Make image selector. (A, C)
- 7. Understand jQuery widgets. (A)
- 8. Be able to hide and show elements using jQuery. (D)
- 9. Understand jQuery event objects and handlers. (D)

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

IV. Evaluation:

A. Testing Procedures:

20 percent of grade. Students will be given a midterm exam and a final exam over course

content at the end of the semester.

B. Laboratory Expectations:

n/a

C. Field Work:

n/a

D. Other Evaluation Methods:

- Projects/Assignments: 75 percent of grade. The projects and/or assignments will be uploaded to the web server space.
- Online Communication Tools: 5 percent of grade. Students will use email and course discussion board to communicate with the instructor and with each other.

E. Grading Scale:

<i>A</i>	90-100%
<i>B+</i>	85-89%
<i>B</i>	80-84 %
<i>C+</i>	75-79%
<i>C</i>	70-74 %
<i>D</i>	60-69 %
<i>F</i>	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 Pellissippi 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 Services for Students with Disabilities (SSWD) in order to receive accommodations in this course. Services for Students with Disabilities may be contacted by sending email to disabilityservices@pstcc.edu, or visiting Goins 127, 132, 134, 135, 131. 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.