Course Syllabus: IT 5302 Introduction to Web Development  
Southern Polytechnic State University

Jack Zheng, Spring 2015  
Last updated: Dec 22, 2014

Note

This syllabus provides a general guideline for the conduct of this course. However, deviations may be necessary and will be notified during the semester.

# Course Overview

This course examines the fundamental aspects of web development. Students will have hands-on labs of web development.

## Course objectives/learning outcomes

## Explain different components of World Wide Web as a platform.

## Develop webpages using fundamental web programming, technologies, and tools.

## Distinguish between server-side and client-side web technologies.

## Survey various fundamental issues involved in the web development process.

## Course features

* Learn HTML, CSS, JavaScript, and PHP basics
* All assignments together as a mini project

## Prerequisites

* IT 5303 Introduction to Programming and Software Engineering

## Class meet time and location

This is a 7 week late term session course.

## Instructor

**Dr. Jack G. Zheng**, Assistant Professor, IT Department

Office: J-393A Phone: 678-915-5036 Email: jackzheng@spsu.edu

Office hours: In office (J-393A)   
T 1:00PM - 4:00P

## Teaching style and belief

Generally I follow the principles of active learning, which emphasizes on learners’ active participation and exploration. Please get more details here:

* <http://jackzheng.net/teaching/teaching-belief.aspx>
* <http://jackzheng.net/teaching/student-comments.aspx>

Email Policy

1. Email is a great way of communication if you write the email subject like this:   
**IT 5302 – *[put your real subject here]***

2. Per FERPA regulation, please use your university email to communicate with instructors. This can verify you identity and protect privacy. I reserve the right not to reply any email that I cannot verify sender's identity.

Emails without proper subject line or unverified sender address are likely to be categorized as spam, and are NOT guaranteed to be replied.

# Course Materials and Resources

## Course websites: D2L <https://spsu.view.usg.edu>

* It’s important to know how to use this learning management system for: following learning modules, submitting assignments, checking grades and feedback, downloading files, participating discussion boards, etc.
* Please check the course site regularly for important announcements and other issues.

## Learning materials

* Required textbook: none. We are happy to offer this course with grant from the Affordable Learning Georgia No-Cost-To-Students Learning Materials.
* Required readings (from different sources) will be assigned in each learning module. Most of them are from <http://www.w3schools.com> and <http://www.codecademy.com>
* Recommended reference resources:
  + <http://www.w3resource.com>
  + <http://html.net>
  + <http://www.littlewebhut.com>

## Required software/hardware

* Code editor: I recommend Notepad++: <http://notepad-plus-plus.org/> or <http://www.microsoft.com/web/webmatrix/>
  + More to try: <http://www.dailygyan.com/2009/04/13-great-free-text-editors-for.html>
* Web server
  + QuickPHP: <http://www.zachsaw.com/?pg=quickphp_php_tester_debugger>
* Other software: software that can open PDF files and ZIP files.

## Other readings and resources

* Other readings and resources will be suggested and posted for each week (module). Check regularly.
* More comprehensive reference resources
  + <http://www.w3.org>
  + <http://www.webplatform.org>
  + <https://developer.mozilla.org/en-US/docs/Web>

# Course Conduct

## Course Schedule

The following schedule is only a tentative overview of the course structure. The more detailed and most updated schedule will be posted in D2L.

|  |  |  |
| --- | --- | --- |
| **Week/Module** | **Topics** | **Work Due** |
| 1 | Course Intro. Web Intro. | Quiz 1 |
| 2 | HTML | Assignment 1 |
| 3 | CSS | Assignment 2, Quiz 2 |
| 4 | JavaScript | Assignment 3 |
| 5 | DHTML | Assignment 4, Quiz 3 |
| 6 | PHP | Assignment 5 |
| 7 | Web development practices | Final exam |

## Learning Modules

Each module provides a study guide which detailed learning objectives, readings, and tasks. It’s critical to follow these study guides. The time to complete each module varies. Generally, modules are designed on an average of 8 to 12 hours to complete (for most of the people who have met the prerequisites), depending on individual background and prior experiences. **The required readings** of each module should be completed **by the planned date**. All module tasks should be completed within a week from the corresponding class date.

## Grading

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Points** |  | **Total Points** | **Grade** |
| Quiz (3) | 30 |  | =>90 | A |
| Individual Assignments (5) | 50 |  | =>80 | B |
| Final exam | 20 |  | =>70 | C |
| *Total* | *100* |  | =>60 | D |

More details about each assignment and exam will be provided later.

## Participation and attendance

Class participation grade (if available) is based on in-class participation as well as online participation.

For online sections, please read the “Online Class Guide”, a separate supplemental document detailing online course conducts and participation policies. For a hybrid class, a part of the learning is also expected to be conducted online.

# General Policies

## Student work submission

All assignments will be posted in GeorgiaVIEW. Submission instructions will be given for each individual assignment. Not following these submission instructions will result in point deduction. Check GeorgiaVIEW for the due date of each required submission. Late submission is generally allowed but with up to 20% penalty. Generally, no submission is allowed outside the GeorgiaVIEW system unless explicitly instructed to do so. ***Be sure to submit the work well ahead of due time. Excuses like website or computer error will not be accepted after the due date***.

## Bonus points

There may be a maximum of 5 bonus points to your overall grade. Bonus points are offered with assignments and exams. Details will be given in each assignment/exam.

## Re-grading

Grades will be posted in GeorgiaVIEW, generally within a week from the due date. If you think there is an error, make a re-grading request by e-mail within one (1) week of grade posting. Please make a follow-up appointment (via e-mail) to meet the instructor during office hours for review of the results of any reassessment. A request for reassessment will not be granted if more than two weeks have passed since the grade in question was posted. Check your grades in GeorgiaVIEW regularly.

## Curve

The instructor reserves the right to decide if there will be any curving of grades and how much per each grading item.

## Make-ups

NO make-ups will be given if you miss a test or an in-class exercise for reasons other than a documented religious observance, a documented illness, or a documented work-related reason.

## Communication

The best communication is face to face communication in the classroom and my office. We can also use emails, discussion boards, office phone, and GeorgiaVIEW Chat when we cannot meet face to face.

## Announcement

Important announcements will be made to the class electronically through the GeorgiaVIEW “Discussion Board” as well as in class sessions. It is important that you check your GeorgiaVIEW account regularly for announcements, new assignments, grade postings, and other discussions.

# University Policies

## Academic Honesty

SPSU values academic integrity. Therefore all students must understand the meaning and consequences of cheating, plagiarism and other academic offenses. Work submitted for this course must represent your own efforts. Copying assignments or tests, or allowing others to copy your work, will not be tolerated. Note that introducing syntactic changes into a copied program is still considered plagiarism. The grade for all involved parties for any course work (homework, assignment, project, programming, or test) will be zero if plagiarism is evidenced.

Academic dishonesty is an extremely serious offense. All cases of academic dishonesty will be dealt with in accordance with the policies of the University as published in the Undergraduate Catalog and Graduate Student Handbook. Penalties may include expulsion from the University. “A faculty member reserves the right to remove any student from his or her course if the student’s behavior is of a disruptive nature or if there is evidence of academic dishonesty.” (*SPSU Catalog*)

SPSU has an Honor Code and a new procedure relating to when academic misconduct is alleged.  All students should be aware of them.  Information about the Honor Code and the misconduct procedure may be found at <http://spsu.edu/honorcode/>

## Disability Statement

“A student at Southern Polytechnic State University who has a disabling condition and needs academic accommodations has a responsibility to voluntarily identify him/herself as having a disability by scheduling an appointment with the Disability Services Coordinator as soon as possible.” (*SPSU Catalog*). The coordinator can be contacted at 678-915-7244