CS 2350: Internet Programming

Summer 2015 2350 M , W 7:30pm

Scott Grayston (sgrayston@weber.edu)

Overview

Welcome to *CS 2350 Internet Programming*, Weber State University's course that surveys current technologies for authoring Web sites. Students learn how to design and develop state-of-the-art interactive sites for the World Wide Web.

Text Book

Beginning HTML, XHTML, CSS, and JavaScript
Jon Duckett
ISBN: 978-0-470-54070-1

Course Objective

The course objective is to provide students with a fundamental understanding as to how an XHTML-compliant web site is developed, implemented, and maintained. XHTML, Cascading Style Sheets, and JavaScript will be taught in a bottom-up perspective whereby students are able to program, in these languages, without the aid of web-development software.

- **The course will cover, in depth:**
  - XHTML 1.1
  - Cascading Style Sheets (CSS)
  - JavaScript
  - DOM Scripting and Dynamic HTML

- **Additional topics to be discussed:**
  - PHP Server Scripting
  - jQuery JavaScript Library
  - Ajax
  - HTML 5

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

- Create W3C compliant web pages using XHTML 1.0 using a simple text editor.
- Create web pages that use accessibility and layout controls.
- Create Cascading Style Sheets (CSS) for webpage formatting and layout.
- Create web page forms that interact with server-based (PHP) programs.
- Write JavaScript for client side programming.
- Build web pages that effectively use the browser event model to create dynamic web pages.
- Use color, graphics, and multimedia effectively in designing professional looking web pages and web sites.

Grading Breakdown

Final grades will be calculated as a combination of the following:

Weekly Assignments	50%
Quizzes	10%
Midterm Written Exam	10%

Midterm Coding Exam	10%
Final Exam	10%
Final Website	10%

Grading Scale

94 and higher	A	74 to 76	C
90 to 93	A-	70 to 73	C-
87 to 89	B+	67 to 69	D+
84 to 86	B	64 to 66	D
80 to 83	B-	60 to 63	D-
77 to 79	C+	Below 60	F

Tests

Tests will cover information covered in the book and class. Tentative dates for tests are:
Midterm : Jun 24th
Final : Aug 5th

Lectures

We will cover one or more new chapters every week, except on exam and holiday weeks. The lecture schedule, including the chapters to be covered will be shown on the WSU Online Canvas calendar and is subject to change.

Quizzes

There will be a quiz given in class about every two to three weeks (about 4 quizzes), except on exam and holiday weeks, and will cover information that we have discussed the previous weeks. Quizzes will generally be given on Mondays after the lecture in class. The quiz schedule will be shown on the WSU Online Canvas calendar and is subject to change.

Assignments

Assignments will be given weekly except on exam and holiday weeks. I plan to leave 30 to 45 minutes at the end of each class for lab time and questions. Also, feel free to message me if you have any questions. The assignments will be assigned and submitted using Canvas which will show the due date. Each assignment should be submitted using WSU Online (Canvas). Submit the URL for your assignment from your Icarus site. This will enable me to provide feedback and grade your assignment. You will have two weeks to submit each assignment from the date it is given. You will have an additional week to submit assignment at 50% value. The assignment schedule will also be shown on the WSU Online Canvas calendar.

Allocated Time

You should anticipate spending two to three hours of study per week for each credit hour for a University course. Computer and programming classes typically require time in the upper range. For this course expect 8 to 12 hour of study per week.

Cheating

CS Department policy dictates that any verifiable evidence of student academic cheating, as defined and determined by the instructor, will result in: 1) an automatic failing grade for the class and 2) a report to the Dean of Students that will include the student's name and a description of the student's dishonest conduct. The University affords you certain rights, including the right to challenge the accusation of cheating. The Dean of Students will explains these rights to you if you are accused of cheating.
The WSU Student Code explains:

A. Cheating, which includes but is not limited to:
    1. Copying from another student's test;
    2. Using materials during a test not authorized by the person giving the test;

3. Collaborating with any other person during a test without authorization;
4. Knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of any test without authorization of the appropriate University official;
5. Bribing any other person to obtain any test;
6. Soliciting or receiving unauthorized information about any test;
7. Substituting for another student or permitting any other person to substitute for oneself to take a test.

B. Plagiarism, which is the unacknowledged (uncited) use of any other person's or group's ideas or work. This includes purchased or borrowed papers;
C. Collusion, which is the unauthorized collaboration with another person in preparing work offered for credit;
D. Falsification, which is the intentional and unauthorized altering or inventing of any information or citation in an academic exercise, activity, or record-keeping process;
E. Giving, selling, or receiving unauthorized course or test information;
F. Using any unauthorized resource or aid in the preparation or completion of any course work, exercise, or activity;
G. Infringing on the copyright law of the United States which prohibits the making of reproductions of copyrighted material except under certain specified conditions.

Students with Disabilities

Any student requiring accommodations or services due to a disability must contact Services for Students with Disabilities (SSD) in room 181 of the Student Services Center. SSD can also arrange to provide course materials (including the syllabus) in alternative formats if necessary."
For more information about the SSD contact them at 801-626-6413, ssd@weber.edu, or departments.weber.edu/ssd.

Instructor Contact Information

I do not have a permanent office on campus. Communication will need to be through Canvas messaging or my WSU email address (sgrayston@weber.edu). Allow a 24 hour turnaround time for responses. We will use Canvas for the class calendar, assignments, grades, and communication. I will use Canvas messaging and announcements to communicate with you and I would prefer that you message me through Canvas.

Important Dates

May 25th	No Class
Jun 24th	Midterm
Jul 6th and 8th	No Class
Aug 5th	Final