

CS401–003: Introduction to Web Development

Fall 2019

Class Repository

<http://github.com/jmazzare/CS-401>

Catalog Description

CS 401/516 INTRODUCTION TO WEB DEVELOPMENT (3–0–3) (F). An introduction to the technologies used for client-side and server-side web development. Learn fundamentals behind competing web technologies, best practices for design and usability, and build rich, dynamic, n-tier secure web applications. Tools used will be mainly open source such as PHP, Javascript, XML, HTML, CSS, MySQL, and the Apache web server. *CS401 PREREQ: CS 321. CS 516 PREREQ: Regular Admission to MS STEM Education and CS 505.*

Learning Objectives

This course is an introduction to client and server-side web development. At the end of this project-based course, students will be able to

- create well-designed, accessible web pages using semantic HyperText Markup Language (HTML) and Cascading Style Sheets (CSS).
- create dynamic, data-driven applications using PHP Hypertext Processor scripting language and Structured Query Language (SQL).
- create interactive and responsive web applications using JavaScript and Asynchronous JavaScript and XML (Ajax).
- evaluate potential security exploits and how to avoid them.
- apply techniques for deploying and debugging web applications.

Textbook

- *Web Programming Step by Step 2nd Edition* by Marty Stepp, Jessica Miller, and Victoria Kirst.

Github

We will be using Github for class communication. Find instructions for keeping up-to-date on class information at: <https://github.com/jmazzare/CS-401/blob/master/README.org>

Assignments and instructions will be committed to the class repository.

Attendance

Students are expected to attend all classes. Missing classes without explanation may result in a grade penalty.

Grading Policy

- Project (all homeworks): 50%
- Midterm exam: 20%
- Final exam: 20%
- Pop quizzes: 10%

Homework

There will be several homework assignments throughout the semester.

- Homework consists of assignments done individually and submitted as described in the write-up.
- Homework can be turned in two days late for a 10% penalty each day without getting pre-approval from the instructor.
- Turning in a homework assignment more than two days late requires prior approval from the instructor and is unlikely to be granted other than for exceptional reasons.

Quizzes and Exams

Quizzes

Quizzes will be given in class over assigned reading or material covered previously in class.

- In-class quizzes must be taken in class on the day they are given. Make-up quizzes will not be granted other than for exceptional reasons.

- If 80% of students complete the end-of-semester course evaluations, then the lowest quiz score will be dropped.

Midterm and Final Exam

Make-up exams will not be given except in the case of serious emergency. If you must miss an exam, even if you are sick or injured, you or someone must contact the instructor *before* the exam. You must show physically unable to take the exam, such as a clearly worded doctor's note, before the exam. No make-ups will be granted for personal reasons such as travel, hardship, to ease exam week schedules, or leisure. No student will be permitted to take an exam early.

The exam dates are fixed and shown on the course website.

Academic Honesty

Students are expected to work on their own on projects and homework assignments unless explicitly instructed otherwise.

Students who copy from each other or from any other source on assignments will be considered to be cheating as will students who allow their work to be copied. This includes trying to find answers to problems or programs from the Internet or other sources (and uploading your completed assignments to Internet sites that are publicly accessible).

Official University Academic Dishonesty Policy

Overview reproduced below. The full policy and procedures may be found at <http://deanofstudents.boisestate.edu/academic-dishonesty>

The term “academic dishonesty” may include cheating, plagiarism, or other forms of academic dishonesty. All assignments submitted by a student must represent her/his own ideas, concepts, and current understanding or must cite the original source. Attempts to violate the academic integrity of an assignment do not have to be successful to be considered academic dishonesty. Academic dishonesty may include, but is not limited to:

1. Stealing and/or Possessing Unauthorized Material — The unauthorized appropriation, possession or use of the property of another; the forgery or misuse of documents;
2. Fabrication and Falsification — The unauthorized alteration or invention of any information or citation;
3. Multiple Submission — The submission of substantial portions of the same assignment for credit more than once without the prior permission of all involved faculty members;

4. Abuse of Academic Material — Destroying, stealing, or making inaccessible library or other academic resource material;
5. Complicity in Academic Dishonesty — Intentionally or knowingly helping or attempting to help another commit an act of academic dishonesty.

Procedures for Breach of Academic Misconduct

- First offense: Student will receive a 0 on the assignment and an Academic Misconduct Report Form will be submitted to the Office of the Dean of Students.
- Second offense: Student will receive an F in the course and an Academic Misconduct Report Form will be submitted to the Office of the Dean of Students.
- Academic Misconduct Form: http://deanofstudents.boisestate.edu/wp-content/uploads/2014/10/Academic_Dishonesty_Report_Form.pdf.