San José State University
Department of Computer Science
Spring 2025
CS 174-02 – Server-side Web Programming

Course and Contact

Information Instructor:	Ramin Moazeni, PhD
Class Hours:	TTh: 7:30PM - 8:45PM
Office Hours:	After class, TTh 12:30-1pm ONLINE Over Zoom (Or by appt)
Email:	Ramin.Moazeni@sjsu.edu
Classroom:	MH 224

Prerequisites: CS 46B *Introduction to Data Structures* with a grade of C- or better, or instructor's consent.

Course Description

Development and deployment of multi-tier web-based applications. Introduction to HTML 5, CSS 3, JavaScript, AJAX, PHP, Python, XML/JSON, Node.JS, FLASK, Django, web services and RESTful APIs, and database access.

Learning Outcomes

By the end of this course, a student should be able to:

CLO1 -- Write HTML documents containing standard HTML elements including forms, tables, client-side scripts, and server-side scripts.
CLO2 -- Write server-side scripts that process HTML forms.
CLO3 -- Write client-side scripts that validate HTML forms.
CLO4 -- Develop and deploy web applications that involve components, web services, and databases.

Required Texts

There are no required books for this class.

Important Dates:

Class starts Thursday, Jan 23
Midterm Exam: Tuesday, March 18 (7:30-8:45pm)
Academic Holiday:

- Spring Break March 31-April 4 (No Class)

Class ends Thursday, May 8
Final Exam: Thursday, May 15 (7:45-9:45pm)

Course Mechanics

You will be required to have a laptop/desktop running Windows, Mac OSX, or a version of Linux to all classes and exams. It must be capable of installing and running the course software.

Course Requirements

Assignments (40%)

There will be a number of assignments throughout the semester. The assignments are usually due at the end of the day on the due date.

The assignments are to be submitted on time. A penalty of 10% per day is applied to late submissions. No assignments will be accepted after a week past its due date.

Exams (50%)

One In Person mid-term (25%) and an In Person final exam (25%). Exams will be administered over Canvas and Lockdown browser will be required. Both exams are closed book/notes.

Exams cannot be made up, except for reasons of illness, as certified by a doctor, or documentable extreme emergency. If a student misses an exam without a legitimate excuse, a grade of zero will be recorded.

Quizzes (10%)

Quizzes over Lockdown browser will be given throughout the course covering the required material discussed.
Quizzes can not be made up if missed.

Grading Policy

Programming assignments	40%
Quizzes	10%
Midterm	25%
Final	25%
Total	100%

A -- 90-100, B -- 80-89, C -- 70-79, D -- 60-69, F -- Below 60

Policy on Academic Honesty

Your commitment, as a student, to learning is evidenced by your enrollment at San Jose State University. The University Academic Integrity Policy S07-2 at http://www.sjsu.edu/senate/docs/S07-2.pdf requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the office of Student Conduct and Ethical Development. The Student Conduct and Ethical Development website is available at http://www.sjsu.edu/studentconduct/.

If we find evidence of dishonesty on an assignment, project, or exam, you will receive a zero (0) for that assignment, project, or exam and an Academic Dishonesty Incident Report will be filed in the Academic Affairs Office; we take academic honesty extremely seriously.

Accommodations

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 at http://www.sjsu.edu/president/docs/directives/PD_1997-03.pdf requires that students with disabilities requesting accommodations must register with the Accessible Education Center (AEC) at http://www.sjsu.edu/aec to establish a record of their disability.

CS 174, Server-side Web Programming, Course Schedule

Tentative course calendar

Week	Item
1	Course Introduction
2	HTML elements like lists, tables, links, and images
3	HTML Stylesheet - CSS3
4	XML Basics, JSON
5	Javascript Introduction
6	Document Object Model (DOM)
7	Javascript Advanced
8	Python Overview **Midterm Tuesday, March 18**
9	PHP, Forms, Sessions, Cookies
10	**Spring Recess**
11	PHP, Forms, Sessions, Cookies
12	AJAX
13	NodeJS, ExpressJS
14	FLASK, Django RESTful APIs
15	Database Access
16	Final Review
17	**Final Exam Thursday, May 15**