

**San José State University**  
**Department of Computer Science**  
**Fall 2025**  
**CS 174-01 – Server-side Web Programming**

**Course and Contact**

**Information Instructor:** Ramin Moazeni, PhD  
**Class Hours:** TTh: 7:30PM - 8:45PM  
**Office Hours:** TTh 11:30-12pm ONLINE Over Zoom (Or by appt)  
**Email:** [Ramin.Moazeni@sjsu.edu](mailto:Ramin.Moazeni@sjsu.edu)  
**Classroom:** DH 450

**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/Fetch API, 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, Aug 21  
Midterm Exam: Tuesday, Oct 14 (7:30-8:45pm)  
Academic Holiday:

- Veterans Day -- Nov 11 (**No Class**)
- Fall Recess -- Nov 27-28 (**No Class**)

Class ends Thursday, Dec 4  
Final Exam: Thursday, Dec 11 (7:45-9:15pm)

**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 cannot be made up if missed.**

## Grading Policy

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

A (93–100), A– (90–92), B+ (87–89), B (83–86), B– (80–82), C+ (77–79), C (73–76), C– (70–72), D+ (67–69), D (63–66), D– (60–62), F (<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](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 <b>Midterm Tuesday, Oct 14</b>
9	PHP, Forms, Sessions, Cookies
10	<b>Spring Recess</b>
11	PHP, Forms, Sessions, Cookies
12	AJAX
13	NodeJS, ExpressJS
14	FLASK, Django RESTful APIs
15	Database Access
16	Final Review
17	<b>Final Exam Thursday, Dec 11</b>

