San José State University
Department of Computer Science
CS-174, Server-side Web Programming, Section 1, Fall, 2021

Course and Contact Information

Instructor:	Fabio Di Troia
Office Location:	MH217
Telephone:	
Email:	fabio.ditroia@sjsu.edu
Office Hours:	TTh, 10:30 – 11:30am
Class Days/Time:	TTh 12.30pm
Classroom:	HyFlex / CL238
Prerequisites:	CS 46B (with a grade of "C-" or better); Computer Science, Applied and Computational Math, or Software Engineering Majors only.

Course Format

Faculty Web Page and MYSJSU Messaging

Course materials such as syllabus, handouts, notes, assignment instructions, etc. can be found on the course web page on Canvas at https://sjsu.instructure.com/courses/1239354. You are responsible for regularly checking with the messaging system through MySJSU at http://my.sjsu.edu (or other communication system as indicated by the instructor) to learn of any updates.

Course Description

Development and deployment of multi-tier web-based applications. Introduction to HTML, XML, enterprise design patterns, web services and database access

Course Learning Outcomes (CLO)

Upon successful completion of this course, students will 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/Readings

Textbook

There are no required books for this class. All the necessary material will be available on the class Canvas web page.

Course Requirements and Assignments

SJSU classes are designed such that in order to be successful, it is expected that students will spend a minimum of forty-five hours for each unit of credit (normally three hours per unit per week), including preparing for class, participating in course activities, completing assignments, and so on. More details about student workload can be found in University Policy S12-3 at http://www.sjsu.edu/senate/docs/S12-3.pdf.

Homework, Midterm and Final exam are expected for this class. Homework is due on Canvas by class starting time on the due date. Each assigned problem requires a solution and an explanation (or work) detailing how you arrived at your solution. Cite any outside sources used to solve a problem. When grading an assignment, I may ask for additional information.

NOTE that University policy F69-24 at http://www.sjsu.edu/senate/docs/F69-24.pdf states that "Students should attend all meetings of their classes, not only because they are responsible for material discussed therein, but because active participation is frequently essential to insure maximum benefit for all members of the class. Attendance per se shall not be used as a criterion for grading."

Recording Zoom Classes

This course or portions of this course (i.e., lectures, discussions, student presentations) will be recorded for instructional or educational purposes. The recordings will only be shared with students enrolled in the class through Canvas. The recordings will be deleted at the end of the semester. If, however, you would prefer to remain anonymous during these recordings, then please speak with the instructor about possible accommodations (e.g., temporarily turning off identifying information from the Zoom session, including student name and picture, prior to recording). Students are not allowed to record without instructor permission. Students are prohibited from recording class activities (including class lectures, office hours, advising sessions, etc.), distributing class recordings, or posting class recordings. Materials created by the instructor for the course

(syllabi, lectures and lecture notes, presentations, etc.) are copyrighted by the instructor. This university policy (S12-7) is in place to protect the privacy of students in the course, as well as to maintain academic integrity through reducing the instances of cheating. Students who record, distribute, or post these materials will be referred to the Student Conduct and Ethical Development office. Unauthorized recording may violate university and state law. It is the responsibility of students that require special accommodations or assistive technology due to a disability to notify the instructor.

Students are required to have an electronic device (laptop, desktop or tablet) with a camera and built-in microphone. SJSU has a free equipment loan program available for students.
Students are responsible for ensuring that they have access to reliable Wi-Fi during tests. If students are unable to have reliable Wi-Fi, they must inform the instructor, as soon as possible or at the latest one week before the test date to determine an alternative. See Learn Anywhere website for current Wi-Fi options on campus.

Zoom Classroom Etiquette

- Mute Your Microphone: To help keep background noise to a minimum, make sure you mute your microphone when you are not speaking.
- Be Mindful of Background Noise and Distractions: Find a quiet place to "attend" class, to the greatest extent possible.
    - Avoid video setups where people may be walking behind you, people talking/making noise, etc.
    - Avoid activities that could create additional noise, such as shuffling papers, listening to music in the background, etc.
- Position Your Camera Properly: Be sure your webcam is in a stable position and focused at eye level.
- Limit Your Distractions/Avoid Multitasking: You can make it easier to focus on the meeting by turning off notifications, closing or minimizing running apps, and putting your smartphone away (unless you are using it to access Zoom).
- Use Appropriate Virtual Backgrounds: If using a virtual background, it should be appropriate and professional and should NOT suggest or include content that is objectively offensive or demeaning.

Final Examination or Evaluation

The final examination consists in submitting a final project. All the details will be published on the course Canvas web page.

Grading Information

- Homework, 25%
- Midterm 1, 25%
- Midterm 2, 25%
- Final Project, 25%

Note that "All students have the right, within a reasonable time, to know their academic scores, to review their grade-dependent work, and to be provided with explanations for the determination of their course grades." See University Policy F13-1 at http://www.sjsu.edu/senate/docs/F13-1.pdf for more details.

Determination of Grades

Semester grade will be computed as a weighted average of the 3 scores listed above.
No make-up tests or quizzes will be given and no late homework (or other work) will be accepted. Also, in-class work must be completed in the section that you are enrolled in.

Nominal Grading Scale:

Percentage	Grade
92 and above	A
90 – 91	A-
88 – 89	B+
82 – 87	B
80 – 81	B-
78 – 79	C+
72 – 77	C
70 – 71	C-
68 – 69	D+
62 – 67	D
60 - 61	D-
59 and below	F

Classroom Protocol

- **Cheating** will not be tolerated.
- Student must be respectful of the instructor and other students. For example, No disruptive or annoying talking.
- Turn off cell phones
- Class begins on time
- Valid picture ID required at all times

University Policies

Per University Policy S16-9, university-wide policy information relevant to all courses, such as academic integrity, accommodations, etc. will be available on Office of Graduate and Undergraduate Programs' Syllabus Information web page at http://www.sjsu.edu/gup/syllabusinfo/

CS-174 / Server-side Web Programming, Fall 2021, Course Schedule

This schedule is subject to change. Any change will be communicated via Canvas with fair notice.

Course Schedule

Week	Date	Topics, Readings, Assignments, Deadlines
1	08/19	Introduction
2	08/24	Setting up a Development Server
2	08/26	Introduction to PHP
3	08/31	Introduction to PHP
3	09/02	Expressions and Control Flow in PHP
4	09/07	Expressions and Control Flow in PHP
4	09/09	Expressions and Control Flow in PHP
5	09/14	PHP Functions and Objects
5	09/16	PHP Functions and Objects
6	09/21	Wrap-up
6	09/23	**Midterm 1**
7	09/28	Introduction to MySQL
7	09/30	Introduction to MySQL
8	10/05	Accessing MySQL using PHP
8	10/07	Accessing MySQL using PHP
9	10/12	Accessing MySQL using PHP
9	10/14	Form Handling
10	10/19	Form Handling
10	10/21	Form Handling
11	10/26	Cookies, Sessions and Authentication
11	10/28	Cookies, Sessions and Authentication
12	10/02	**Midterm 2**
12	11/04	Introduction to JavaScript
13	11/09	Expressions and Control Flow in JavaScript
13	11/11	VETERAN'S DAY – No Lecture
14	11/16	JavaScript Functions, Objects and Arrays
14	11/18	JavaScript Functions, Objects and Arrays
15	11/23	JavaScript Functions, Objects and Arrays

Week	Date	Topics, Readings, Assignments, Deadlines
15	11/25	THANKSGIVING
16	11/30	Client and Server-side Validation
	12/02	Recap
Final Exam	12/08	12:15-2:30 PM