San José State University
Department of Computer Science
CS-174, Server-side Web Programming, Section 1, Spring 2019

Course and Contact Information

Instructor:	Fabio Di Troia
Office Location:	DH282
Telephone:	
Email:	fabio.ditroia@sjsu.edu
Office Hours:	Thursday 14:30 – 16:30
Class Days/Time:	TR – 18:00
Classroom:	WSQ109
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."

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, 30%
- Midterm, 30%
- Final Project, 40%

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](http://www.sjsu.edu/gup/syllabusinfo/) at http://www.sjsu.edu/gup/syllabusinfo/

CS-174 / Server-side Web Programming, Spring 2019, 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	1/24	Introduction
1	1/29	Setting up a Development Server
2	1/31	Introduction to PHP
2	2/5	Introduction to PHP
3	2/7	Expressions and Control Flow in PHP
3	2/12	Expressions and Control Flow in PHP
4	2/14	Expressions and Control Flow in PHP
4	2/19	Expressions and Control Flow in PHP
5	2/21	PHP Functions and Objects
5	2/26	PHP Functions and Objects
6	2/28	PHP Functions and Objects
6	3/5	Introduction to MySQL
7	3/7	Introduction to MySQL
7	3/12	Accessing MySQL using PHP
8	3/14	Accessing MySQL using PHP
8	**3/19**	**MIDTERM**
9	3/21	Form Handling

Week	Date	Topics, Readings, Assignments, Deadlines
9	3/26	Form Handling
10	3/28	Cookies, Sessions and Authentication
10	4/9	Cookies, Sessions and Authentication
11	4/11	Introduction to JavaScript
11	4/16	Introduction to JavaScript
12	4/18	Introduction to JavaScript
12	4/23	Expressions and Control Flow in JavaScript
13	4/25	JavaScript Functions, Objects and Arrays
13	4/30	JavaScript Functions, Objects and Arrays
14	5/2	JavaScript Functions, Objects and Arrays
14	5/7	JavaScript and PHP Validation
15	5/9	JavaScript and PHP Validation
Final Exam	5/16	Time: 1715-1930