ITP 301: Front-End Web Development
Units: 4
Spring 2023 – Tue, Thu – 4pm-5:50pm

Location: KAP 107

Instructor: Zune Nguyen
Office Hours: See course website
Contact Info: zune@usc.edu

IT Help: Provided by Viterbi IT
Hours of Service: 8am – 5pm, Mon-Fri
Walk-in: DRB 205
Contact Info: (213) 740-0517
Email: engrhelp@usc.edu

Course Description

This course teaches client-side development concepts and technologies used in the web development industry. Students will first learn basic programming theory using JavaScript. They will them apply these concepts to create website front-ends. Students will also explore different tools, libraries, and frameworks used in front-end web development.

Learning Objectives

- Learn and apply programming concepts to create website front-ends.
- Write client-side code to communicate with third-party APIs.
- Explore back-end libraries and frameworks currently used in the industry.

Prerequisite(s): ITP 104 or intermediate knowledge of HTML & CSS.

Technological Proficiency and Hardware/Software Required

Students should have access to their own computers running either Windows, MacOS, or Linux, and should be familiar with the basic operation of their computers.

Grading Breakdown

Attendance & Participation	5%
Assignments	45%
Labs	15%
Midterm Exam	20%
Final Project	15%
Total	100%

Grading Scale

Course final grades will be determined using the following scale:

A	93% or up
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%
F	62% or below

Exams

No make-up exams will be offered. Failure to submit an exam on time or submitting blank work will result in a 0% for the exam grade.

Attendance & Participation

Lecture attendance is mandatory; each student can miss one (1) lecture without losing attendance & participation credit.

Late Assignments

A 10% per day penalty is applied to late assignments. No submissions are accepted after five (5) days beyond the due date. To receive a grade, students must notify the grader once the late assignment is submitted.

Late Labs

No late lab submissions are accepted.

Grade Corrections

Any questions or concerns regarding grades must be addressed within seven (7) days after grades are posted on Blackboard. No changes to any grades will be made after seven (7) days.

Academic Integrity

All coursework is expected to represent each student's individual effort. Students may not collaborate, share, or look at other students' code.

Course Material

All lectures will be recorded and made available to students enrolled in the course. These class recordings are made available only for access by students in this class for educational purposes only and shall not be disclosed to any other party for any purpose.

Students may not reproduce, distribute, or post any course material, including notes, assignments, labs, and tests, without the instructor's written consent. Refer to *SCampus* in Part B, Section 11.12 for more information https://policy.usc.edu/scampus/.

Course Schedule

Note: Subject to change throughout the semester

Week	Lecture	Lab	Assignment
1	Course Overview, Intro to JavaScript	L1: Student Pages	A1: JS Photo Gallery
2	Variables, Variable Scope	L2: Currency Converter	A2: Shopping Cart
3	Conditional Statements	L3: Shopping Cart w/ Funds	A3: Calculator
4	Arrays, Loops, Functions, .map()	L4: Updated Photo Gallery	A4: Liar's Dice
5	Intro to React, Rendering	L5: StackBlitz & React Setup	A5: Static Page Rendering
6	Components, Props	L6: Static Page w/ Components	A6: Shopping Cart w/ React
7	Events, States	L7: Shopping Cart w/ Item Count	
8	States Part 2	L8: Shopping Cart w/ Subtotal	A8: Final Project Proposal
9	**Midterm Exam (03/07)**		
10	User Input Validation	L9: Form Validation	A9: Final Project Static Page
11	Regular Expressions	L10: Password Validation	
12	JavaScript Objects	L11: To Do List	A10: Final Project React Migration
13	JSON, AJAX	L12: The Movie DB API	
14	React Build		
15	DOM Storage		
16 (Finals)	Final Project Presentations		**Final Project Due**

Statement on Academic Conduct and Support Systems

Academic Conduct

Plagiarism – presenting someone else's ideas as your own, either verbatim or recast in your own words – is a serious academic offense with serious consequences. Please familiarize yourself with the discussion of plagiarism in *SCampus* in Part B, Section 11, "Behavior Violating University Standards" https://policy.usc.edu/scampus-part-b/. Other forms of academic dishonesty are equally unacceptable. See additional information in *SCampus* and university policies on scientific misconduct, http://policy.usc.edu/scientific-misconduct.

Support Systems

Student Counseling Services (SCS) - (213) 740-7711 – 24/7 on call
Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention. https://engemannshc.usc.edu/counseling/

National Suicide Prevention Lifeline - 1-800-273-8255
Provides free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week. http://www.suicidepreventionlifeline.org

Relationship and Sexual Violence Prevention Services (RSVP) - (213) 740-4900 - 24/7 on call
Free and confidential therapy services, workshops, and training for situations related to gender-based harm.
https://engemannshc.usc.edu/rsvp/

Sexual Assault Resource Center
For more information about how to get help or help a survivor, rights, reporting options, and additional resources, visit the website: http://sarc.usc.edu/

Office of Equity and Diversity (OED)/Title IX Compliance – (213) 740-5086
Works with faculty, staff, visitors, applicants, and students around issues of protected class. https://equity.usc.edu/

Bias Assessment Response and Support
Incidents of bias, hate crimes and microaggressions need to be reported allowing for appropriate investigation and response. https://studentaffairs.usc.edu/bias-assessment-response-support/

The Office of Disability Services and Programs
Provides certification for students with disabilities and helps arrange relevant accommodations. http://dsp.usc.edu

Student Support and Advocacy – (213) 821-4710
Assists students and families in resolving complex issues adversely affecting their success as a student EX: personal, financial, and academic. https://studentaffairs.usc.edu/ssa/

Diversity at USC
Information on events, programs and training, the Diversity Task Force (including representatives for each school), chronology, participation, and various resources for students. https://diversity.usc.edu/

USC Emergency Information
Provides safety and other updates, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible, http://emergency.usc.edu

USC Department of Public Safety – 213-740-4321 (UPC) and 323-442-1000 (HSC) for 24-hour emergency assistance or to report a crime.
Provides overall safety to USC community. http://dps.usc.edu