

USC Iovine and Young Academy

Arts, Technology and the Business of Innovation

ACAD 275 - Dev I

Units: 4

Day-Time: Fall 2023, Tuesday/Thursday, 5:00pm - 7:50pm

Location: IYH 211

Instructor: Aaron Siegel

Office: IYH 210 or Zoom meeting room listed on Blackboard.

Office Hours: In person: Tuesdays, 12:00pm - 1:45pm IYH 210.
Zoom: Mondays, 6pm - 8pm.

Contact Info: aaronsie@usc.edu

IT Help:

<https://uscedu.sharepoint.com/sites/IYAStudent/SitePages/IT-Resources.aspx>

Hours of Service: M-F, 9:00am - 6:00pm

Contact Info: iyahelp@usc.edu, 213-821-6917

USC Technology Support Links

[Zoom information for students](#)

[Blackboard help for students](#)

[Software available to USC Campus](#)

Course Description

Whether Twitter, Facebook, Google Maps, or Dropbox, the vast majority of cutting-edge software applications are now developed on the Web. Because of this, being able to develop websites is a core competency that any innovative technologist must understand.

Students will learn the basics of web page creation, web objects, scripting, and interactivity. By the end of the course students will not only have the skills to build an interactive website but will have a solid foundation in scripting fundamentals.

Learning Objectives and Outcomes

This course teaches JavaScript to provide an extremely interactive introduction to the logic of coding. It combines the programming with HTML/CSS, so that upon completion students will be able to create dynamic websites.

This course is intended to cover the basic technologies involved in publishing web pages and sites. This includes:

- HTML
- CSS
- JavaScript

This class will also introduce students to web objects and scripting including:

- Fundamental scripting and programming concepts.
- The JavaScript language and jQuery library.
- Manipulating and adding interactivity to web objects.

Recommended Preparation: Download and install the [FileZilla FTP client](#) and the [Visual Studio Code IDE software](#) in order to start uploading content to the web on day one.

Course Notes

The class will be a mix of technical demonstrations, software workshop exercises, lectures on the history and contemporary applications of web design, as well as collective critique sessions. Technical demonstrations may be recorded and shared with the students afterward for further review. Lecture materials will be made available on Blackboard.

Course Structure

Students are expected to:

- Participate in lecture discussions and critiques.
- Complete weekly lab assignments and projects.
- Manage and complete individual class projects.

Students are responsible for completing assignments and projects by stated deadlines. Most assignments will be uploaded by students to their USC web space and linked from an assignment page.

Policies

No make-up exams (except for documented medical or family emergencies). Due dates and requirements for all Labs and Assignments will be posted on the course site. Students will “post” their work to their USC web space as defined on the course site. It is the student’s responsibility to post work by the due date following the defined class procedures, even if you miss class. Work turned in late will lose 10% credit per day and late work is not accepted after two weeks past the due date. To receive credit for late work you **MUST** email the grader that you posted a lab or assignment after the due date or you will not receive credit. Attendance will be taken audibly at the beginning of every class session.

Technological Proficiency and Hardware/Software Required

- Laptop computer with authorized installations of the following software:
 - Visual Studio Code
 - Adobe Photoshop CC
 - Adobe Illustrator CC
 - Figma

USC Technology Rental Program

The university realizes that attending classes online and completing coursework remotely requires access to technology that not all students possess. If you need resources to successfully participate in your classes, such as a laptop or internet hotspot, you may be eligible for the university’s equipment rental program. To apply, please submit an [USC Technology Rental Program Application](#).

Grading Breakdown		Grading Scale		
Assignments	50%		A = 100 - 95	A- = 94 - 90
Labs (1% x30)	30%	B+ = 89 - 87	B = 86 - 83	B- = 82 - 80
Examinations (10% x2)	20%	C+ = 79 - 77	C = 76 - 73	C- = 72 - 70
		D+ = 69 - 67	D = 66 - 63	D- = 62 - 60
Total:	100%	F = 59 and below		

Assignments

1. Class Page (3%):
2. Film Article Package Layout (3%):
3. Individual Website Proposal (3%):
4. Practice Practical HTML Exam (3%):
5. Frontpage Design Notes (3%):
6. Alternate Frontpage Designs (3%):
7. Calculator Web App (3%):
8. Group Website: Topic Pitch (3%):
9. Interactive Film Article (3%):
10. Individual Website Final Build (3%):
11. Group Website: Figma Designs (3%):
12. Group Website: Content Build (4%):
13. Top 10 Music Videos Page (3%):
14. Group Website: Responsive Pages (5%):
15. Group Website: Interactivity (5%):

Labs

1. Upload your Avatar (1%):
2. Color Test Page (1%):
3. Resume Page (1%):
4. Floating Div Test (1%):
5. CSS Zen Garden Stylesheet (1%):
6. Survey Form (1%):
7. Text Formatted Article (1%):
8. Article with Transitions (1%):
9. Embedded Media (1%):
10. Figma Frontpage Design (1%):
11. Peer Critique on Piazza (1%):
12. Responsive Design Layout (1%):
13. JavaScript Color Setter (1%):
14. JavaScript Resize Function (1%):
15. Conditional Content Generator (1%):
16. Return Function Calculator (1%):
17. jQuery Methods Page (1%):
18. jQuery Chained Transitions (1%):
19. Vote on Group Project Preference (1%):
20. Random Photo Page (1%):
21. Email Validation (1%):
22. Restructuring Data (1%):
23. Bookmark Search Page (1%):
24. Group Project Repository Setup (1%):
25. jQuery Animate (1%):
26. Embedded Media Scripting (1%):
27. localStorage Page Styles (1%):
28. Cookie Login (1%):
29. Search Array of Objects (1%):
30. User Created Object Instances (1%):

Weekly Class Schedule

Week	Tuesday	Thursday
1	1/10: The Internet and WWW. Using FTP. Lab #01: Upload your Avatar.	1/12: Basic HTML Tags. HTML Colors. HTML5 Template. Lab #02: Color Test Page.
2	1/17: CSS Basics. CSS Float. Rigid Layout. Lab #03: Resume Page. DUE: #1: Class Page.	1/19: HTML Element Sizing. Fluid Layout. Lab #04: Floating Div Page.
3	1/24: CSS Visual Design. Lab #05: CSS Zen Garden Stylesheet. DUE: #2: Film Article Package Layout.	1/26: HTML Forms. Lab #06: Survey Form.
4	1/31: Information Architecture. Position. Opacity. Color. Web Fonts. Columns. Lab #07: Text Formatted Article. DUE: #3: Individual Website Proposal.	2/2: Background Images. Transitions. Lab #08: Article with Transitions.
5	2/7: Semantic Tags. iFrames. Video. Audio. Lab #09: Embedded Media. DUE: #4: Practice Practical HTML Exam.	2/9: Color Theory. Typography. Figma Basics. Lab #10: Figma Frontpage Design.
6	2/14: DUE: Exam #1: HTML Written and Practical Critique Fundamentals. Fluid Layout. Media Queries. Lab #11: Peer Critique on Piazza. DUE: #5: Frontpage Design Notes.	2/16: Flexbox. Lab #12: Responsive Design Layout.
7	2/21: Web Experiences. JavaScript Basics. Lab #13: JavaScript Color Setter. DUE: #6: Alternate Frontpage Designs.	2/23: JavaScript Photo Gallery. JavaScript Expressions. Lab #14: JavaScript Resize Function.
8	2/28: Conditional Logic. Lab #15: Conditional Content Generator. DUE: #7: Calculator Web App.	3/2: Return Functions. Lab #16: Return Function Calculator.
9	3/7: jQuery Basics. Lab #17: jQuery Methods Page. DUE: #8: Group Website Topic Pitch.	3/9: jQuery Events. Lab #18: jQuery Chained Transitions.
SPRING BREAK: No Class (3/14 & 3/16)		
10	3/21: Lightbox. Carousel. Lab #19: Vote on Group Project Preference. DUE: #9: Interactive Film Article.	3/23: Dynamic Documents. Array Basics. Lab #20: Random Photo Page.

11	3/28: Array Methods. Lab #21: Email Validation DUE: #10: Individual Website Final Build.	3/30: Loops. String Methods. Lab #22: Restructuring Data.
12	4/4: Array Search. Lab #23: Bookmark Search Page. DUE: #11: Group Website: Figma Designs.	4/6: Github. Lab #24: Group Project: Repository Setup.
13	4/11: DUE: Exam #2: JavaScript Written and Practical jQuery Animate. Lab #25: jQuery Animate. DUE: #12: Group Website: Content Build.	4/13: Scripting Media. Lab #26: Embedded Media Scripting.
14	4/18: localStorage. sessionStorage. Lab #27: localStorage Page Styles. DUE: #13: Top 10 Music Videos Page.	4/20: Cookies. Lab #28: Cookie Login.
15	4/25: JavaScript Objects. Lab #29: Search Array of Objects DUE: #14: Group Website: Responsive Pages.	4/27: Classes. Lab #30: User Created Object Instances.
FINAL	Thursday, May 4th, 4:30pm - 6:30pm DUE: #15: Group Website: Interactivity.	

HOW TO PURCHASE SOFTWARE AT THE DISCOUNTED ACADEMY RATE THROUGH THE USC BOOKSTORE:

The following first year software are now available for purchase online through the USC Iovine and Young software catalog at the Academy discounted rate:

<u>Software</u>	<u>IYA Short-Term License at USC Bookstore</u>
Adobe Creative Cloud	\$70 2022-2023 annual license

To purchase:

- Visit: <https://commerce.cashnet.com/IOVINE>
- Select the software license(s) you would like to purchase by clicking “View Details” or the software title, and make your purchase.
- You will receive an order confirmation receipt at the email address you provided.
- You will be notified by email when the software license has been activated.

If you have any questions about this process, please do not hesitate to contact Academy IT Support at iya.helpdesk@usc.edu.

Assignment Rubrics

Student work will be assessed based on:

- Level of understanding and execution of software skills on assignments.
- Degree of complexity of the assignment goal both creatively and technically.
- Innovative application of tools and concepts covered in class.

Assignment Submission Policy

Submit all of your digital assets for your assignments via FTP to your assigned web account at least one hour prior to the start of the class session.

Grading Timeline

Checkpoints and assignments will be reviewed, graded, and provided with feedback within a week of submission.

Late work

Work turned in late will lose 10% credit per day and late work is not accepted after two weeks past the due date. To receive credit for late work you MUST email the grader that you posted a lab or assignment after the due date or you will not receive credit. Attendance will be taken audibly at the beginning of every class session.

Participation

In-class participation is an important and required component of the learning methodology for this course. You are expected to attend class and coordinate with classmates on group projects, as well as maintain communication and progression of your group assignments outside of class. Come to an agreement with group mates on a specific medium for communication and how to make up for a missed class session or meeting.

Classroom norms

Students are expected to be respectful of each other and the space in which they inhabit. We are all here to have a positive learning experience, have fun, get to know each other, and grow as creative thinkers. Students being disruptive to the class who do not cease their activities will be asked to leave and if necessary will be escorted out by DPS officers.

Synchronous session recording notice

Synchronous sessions will be recorded and provided to all students asynchronously (through recorded Zoom sessions integrated into Blackboard). USC has a policy that prohibits sharing of any synchronous and asynchronous course content outside of the learning environment.

SCampus Section 11.12(B)

Distribution or use of notes or recordings based on university classes or lectures without the express permission of the instructor for purposes other than individual or group study is a violation of the USC Student Conduct Code. This includes, but is not limited to, providing materials for distribution by services publishing class notes. This restriction on unauthorized use also applies to all information, which had been distributed to students or in any way had been displayed for use in relation to the class, whether obtained in class, via email, on the Internet or via any other media. (See Section C.1 Class Notes Policy).

Academy Attendance Policy

The Academy maintains rigorous academic standards for its students and on-time attendance at all class meetings is expected. Each student will be allowed two excused absences over the course of the semester for which no explanation is required. Students are admonished to not waste excused absences on non-critical issues, and to use them carefully for illness or other issues that may arise unexpectedly. Except in the case of prolonged illness or other serious issue (see below), no additional absences will be excused. Each unexcused absence will result in the lowering of the final grade by $\frac{1}{3}$ of a grade (e.g., an A will be lowered to A-, and A- will be lowered to a B+, etc.). In addition, being tardy to class will count as one-third of an absence. Three tardies will equal a full course absence.

Students remain responsible for any missed work from excused or unexcused absences. Immediately following an absence, students should contact the instructor to obtain missed assignments or lecture notes and to confirm new deadlines or due dates. Extensions or other accommodations are at the discretion of the instructor.

Automatically excused absences normally may not be used for quiz, exam or presentation days. Using an excused absence for a quiz, exam or presentation, such as in the case of sudden illness or other emergency, is at the discretion of the instructor.

In the case of prolonged illness, family emergencies, or other unforeseen serious issues, the student should contact the instructor to arrange for accommodation. Accommodation may also be made for essential professional or career-related events or opportunities. Additionally, students who need accommodations for religious observations should provide advanced notice to instructors and student athletes should provide Travel Request Letters. All accommodations remain at the discretion of the instructor, and appropriate documentation may be required.

Spring 2023 addendum:

- Unless students provide an accommodation letter from USC's Office of Student Accessibility Services (OSAS) or a letter from IYA Student Services detailing visa or travel restrictions, attendance and active participation is expected in the classroom. Any student with such accommodations should submit their accommodation document to the instructor as soon as possible to discuss appropriate accommodations. Either classroom recordings or live remote access to the class via Zoom will be provided.
- Students who are experiencing illness should not attend class in person. Please inform the instructor in advance of any class sessions that you can't attend for medical reasons, and accommodations will be arranged to view recorded lectures and submit alternatives to any missed class participation. Students will not be penalized for not attending class in person under these circumstances.
- In the event that you find yourself experiencing COVID-19 related symptoms, in keeping with university recommendations, you should Stay home! This is the best way to prevent spreading COVID-19 as supported by scientific evidence; Please do not come to an in-person class if you are feeling ill, particularly if you are experiencing symptoms of COVID-19.

Irvine and Young Hall Cleanout

The Academy is unable to store student projects and materials beyond the end of the semester. Students must remove all projects and personal materials from the Creators Studio, lockers/locker room, and other

classrooms by the end of each semester. **All projects and materials left in Iovine and Young Hall will be discarded two days after final exams end. No exceptions.**

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” policy.usc.edu/scampus-part-b. Other forms of academic dishonesty are equally unacceptable. See additional information in SCampus and university policies on [Research and Scholarship Misconduct](#).

Students and Disability Accommodations:

USC welcomes students with disabilities into all of the University’s educational programs. The Office of Student Accessibility Services (OSAS) is responsible for the determination of appropriate accommodations for students who encounter disability-related barriers. Once a student has completed the OSAS process (registration, initial appointment, and submitted documentation) and accommodations are determined to be reasonable and appropriate, a Letter of Accommodation (LOA) will be available to generate for each course. The LOA must be given to each course instructor by the student and followed up with a discussion. This should be done as early in the semester as possible as accommodations are not retroactive. More information can be found at osas.usc.edu. You may contact OSAS at (213) 740-0776 or via email at osasfrontdesk@usc.edu.

Support Systems:

Counseling and Mental Health - (213) 740-9355 – 24/7 on call
studenthealth.usc.edu/counseling

Free and confidential mental health treatment for students, including short-term psychotherapy, group counseling, stress fitness workshops, and crisis intervention.

National Suicide Prevention Lifeline - 1 (800) 273-8255 – 24/7 on call
suicidepreventionlifeline.org

Free and confidential emotional support to people in suicidal crisis or emotional distress 24 hours a day, 7 days a week.

Relationship and Sexual Violence Prevention Services (RSVP) - (213) 740-9355(WELL), press “0” after hours – 24/7 on call

Studenthealth.usc.edu/sexual-assault

Free and confidential therapy services, workshops, and training for situations related to gender-based harm.

Office for Equity, Equal Opportunity, and Title IX (EEO-TIX) - (213) 740-5086
eeotix.usc.edu

Information about how to get help or help someone affected by harassment or discrimination, rights of protected classes, reporting options, and additional resources for students, faculty, staff, visitors, and applicants.

Reporting Incidents of Bias or Harassment - (213) 740-5086 or (213) 821-8298
usc-advocate.symplicity.com/care_report

Avenue to report incidents of bias, hate crimes, and microaggressions to the Office for Equity, Equal Opportunity, and Title for appropriate investigation, supportive measures, and response.

The Office of Student Accessibility Services (OSAS) - (213) 740-0776

osas.usc.edu

OSAS ensures equal access for students with disabilities through providing academic accommodations and auxiliary aids in accordance with federal laws and university policy.

USC Campus Support and Intervention - (213) 821-4710

campussupport.usc.edu

Assists students and families in resolving complex personal, financial, and academic issues adversely affecting their success as a student.

Diversity, Equity and Inclusion - (213) 740-2101

diversity.usc.edu

Information on events, programs and training, the Provost's Diversity and Inclusion Council, Diversity Liaisons for each academic school, chronology, participation, and various resources for students.

USC Emergency - UPC: (213) 740-4321, HSC: (323) 442-1000 – 24/7 on call

dps.usc.edu, emergency.usc.edu

Emergency assistance and avenue to report a crime. Latest updates regarding safety, including ways in which instruction will be continued if an officially declared emergency makes travel to campus infeasible.

USC Department of Public Safety - UPC: (213) 740-6000, HSC: (323) 442-120 – 24/7 on call

dps.usc.edu

Non-emergency assistance or information.

Office of the Ombuds - (213) 821-9556 (UPC) / (323) 442-0382 (HSC)

ombuds.usc.edu

A safe and confidential place to share your USC-related issues with a University Ombuds who will work with you to explore options or paths to manage your concern.

Occupational Therapy Faculty Practice - (323) 442-3340 or otfp@med.usc.edu

chan.usc.edu/otfp

Confidential Lifestyle Redesign services for USC students to support health promoting habits and routines that enhance quality of life and academic performance.