

Interactive Web Development

ITP301 (4 units)



Course 32063, Fall 2017

Objective

This course is intended to teach the basic programming tools and development techniques needed to create interactive web pages. The class will stress programming fundamentals using JavaScript and how to work with the jQuery library.

Skills Taught

Advanced HTML, dynamic HTML and CSS. Fundamentals of jQuery, scripting and object-oriented programming, and JavaScript.

Prerequisites

ITP 104 or working intermediate knowledge of HTML and CSS.

Instructor

Nayeon Kim

Contact

nayeonki@usc.edu

Office Hours

See course website.

Lecture / Lab

Tuesdays & Thursdays from 2:00 - 4:50pm in KAP 267

Teaching Assistant

Anitha Neelakantan (aneelaka@usc.edu)

Grader

Anitha Neelakantan (aneelaka@usc.edu)

Class Website

<http://uscitp.com/>

Textbook

Not required.

Grading

The following percentage breakdown will be used in determining the grade for the course.

Assignments	30%
Attendance, Labs, Participation	15%
Midterm Exam	20%
Final Project	35%
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Total	100%

Grading Scale

The following shows the grading scale to be used to determine the letter grade.

A	100-93%
A-	92-90%
B+	89-87%
B	86-83%
B-	82-80%
C+	79-77%
C	76-73%
C-	72-70%
D+	69-67%
D	66-65%
F	64% or below

Policies

Attendance

As this is a very hands-on course, attendance is critical to successfully learn the material taught in this class. As a result, attendance is taken every lecture via Blackboard's Qwickly Attendance system. To get credit for attendance, you will go to Blackboard and "check-in" by entering a 4-letter code given by the instructor at the beginning of the class. The check in period is open for 30 minutes. After this time, you will not receive credit for attendance. All students get TWO free passes for attendance that can be used without question. Anything beyond two absences will count as an absence, no exceptions.

Assignments

All assignment requirements and deadlines are posted on the class website. To submit an assignment, you will upload your work to USC's server space as defined on the class website. It is your responsibility to ensure that your assignment file has been uploaded correctly to the USC server. You will get THREE late extension requests for any lab or assignment. Each extension gives you an extra 72 hours to submit the lab or assignment. To receive the extension, you must email the instructor and grader BEFORE the lab or assignment's original deadline.

Exam

There is only one exam for this course (the midterm exam). No make-up exams (except for documented medical or family emergencies) will be offered. Final projects take place of the final exam.

Final Project

In this class, a final project takes place of a final exam. The final project is due on the last day of classes at 11:59pm. Final project presentations will take place on the Final Examination date as scheduled by the University. All students are required to attend.

IT Help

Hours of Service: 8AM-9PM; Phone: 213-740-0517; Email: engrhelp@usc.edu

Incomplete and Missing Grades

Excerpts for this section have been taken from the University Grading Handbook, located at <http://www.usc.edu/dept/ARR/grades/gradinghandbook/index.html>. Please see the link for more details on this and any other grading concerns.

A grade of Missing Grade (MG) “should only be assigned in unique or unusual situations... for those cases in which a student does not complete work for the course before the semester ends. All missing grades must be resolved by the instructor through the Correction of Grade Process. One calendar year is allowed to resolve a MG. If an MG is not resolved [within] one year the grade is changed to [Unofficial Withdrawal] UW and will be calculated into the grade point average a zero grade points.

A grade of Incomplete (IN) “is assigned when work is no completed because of documented illness or other ‘emergency’ **occurring after the twelfth week** of the semester (or 12th week equivalency for any course scheduled for less than 15 weeks).”

Students with Disabilities

Any student requesting academic accommodations based on a disability is required to register with Disability Services and Programs (DSP) each semester. A letter of verification for approved accommodations can be obtained from DSP. Please be sure the letter is delivered to your course instructor (or TA) as early in the semester as possible. If you need accommodations for an exam, the form needs to be given to the instructor at least two weeks before the exam.

DSP is located in STU 301 and is open from 8:30am to 5:00pm, Monday through Friday. Contact info: 213-740-0776 (Phone), 213-740-6948 (TDD only), 213-740-8216 (FAX), ability@usc.edu, http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html.

Emergency Preparedness/Course Continuity in a Crisis

In case of emergency, when travel to campus is difficult, if not impossible, USC executive leadership will announce a digital way for instructors to teach students in their residence halls or homes using a combination of the Blackboard LMS (Learning Management System), teleconferencing, and other technologies. Instructors should be prepared to assign students a “Plan B” assignment that can be completed ‘at a distance.’ For additional information about maintaining your classes in an emergency, please access: <http://cst.usc.edu/services/emergencyprep.html>

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 Section 11, Behavior Violating University Standards

<https://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/>. 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/>.

Discrimination, sexual assault, and harassment are not tolerated by the university. You are encouraged to report any incidents to the Office of Equity and Diversity <http://equity.usc.edu/> or to the Department of Public Safety <http://capsnet.usc.edu/department/department-public-safety/online-forms/contact-us>. This is important for the safety whole USC community. Another member of the university community – such as a friend, classmate, advisor, or faculty member – can help initiate the report, or can initiate the report on behalf of another person. The Center for Women and Men <http://www.usc.edu/student-affairs/cwm/> provides 24/7 confidential support, and the sexual assault resource center webpage sarc@usc.edu describes reporting options and other resources.

Examples of behavior violating University standards:

- The submission of material authored by another person but represented as the student's own work, whether that material is paraphrased or copied in verbatim or near-verbatim form.
- Acquisition of term papers or other assignments from any source and the subsequent presentation of those materials as the student's own work, or providing term papers or assignments that another student submits as his/her own work.
- Obtaining for oneself or providing for another person a solution to homework, a project or other assignments, or a copy of an exam or exam key without the knowledge and expressed consent of the instructor.
- Unauthorized collaboration on a project, homework or other assignment. Collaboration between students will be considered unauthorized unless expressly part of the assignment in question or expressly permitted by the instructor.

If the instructor, a grader, or a lab assistant suspects you of academic dishonesty, it has to be reported to SJACS. Do not share lab assignments with another student. Do not submit another student's work as your own. Do not look at other students' papers during exams. Do not leave the room during an exam. Do not cheat! As Trojans, we are faithful, scholarly, skillful, courageous, and ambitious.

Support Systems

A number of USC’s schools provide support for students who need help with scholarly writing. Check with your advisor or program staff to find out more. Students whose primary language is not English should check with the *American Language Institute* <http://dornsife.usc.edu/ali>, which sponsors courses and workshops specifically for international graduate students. *The Office of Disability Services and Programs* http://sait.usc.edu/academicsupport/centerprograms/dsp/home_index.html provides certification for students with disabilities and helps arrange the relevant accommodations. If an officially declared emergency makes travel to campus infeasible, *USC Emergency Information* <http://emergency.usc.edu/> will provide safety and other updates, including ways in which instruction will be continued by means of blackboard, teleconferencing, and other technology.

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Course Outline

Note: Schedule Subject to Change

Week 1	8/22	Course Overview Browser Technologies and Scripting Languages The DOM What are objects? Chrome Developer Tools
	8/24	CSS Review (styles, stylesheets, properties, selectors)
Week 2	8/29	Introduction to jQuery Using jQuery Plugins Debugging
	8/31	jQuery Continued
Week 3	9/5	Introduction to programming and JavaScript
	9/7	JS Variables, Expressions, Functions
Week 4	9/12	Conditional Logic
	9/14	'this' keyword Editing style properties
Week 5	9/19	Indexed arrays innerHTML
	9/21	indexOf Data Validation
Week 6	9/26	Loops charAt, substring, replace

	9/28	Searching through arrays
Week 7	10/3	Cross-browser, page info
	10/5	Midterm Exam Review
Week 8	10/10	Midterm Exam - Written
	10/12	Midterm Exam - Practical
Week 9	10/17	jQuery and JS integration
	10/19	Attribute selectors, form objects
Week 10	10/24	DOM traversal with jQuery
	10/26	Timers, asynchronous code, cookies
Week 11	10/31	Object Literals
	11/2	jQuery animate, jQuery UI
Week 12	11/7	Student Conferences
	11/9	Student Conferences
Week 13	11/14	Special Topics
	11/16	Special Topics
Week 14	11/21	JSONP
	11/23	No Class. Thanksgiving Break.
Week 15	11/28	JS group presentations
	11/30	Final Project Presentations