

Interactive Web Development

ITP301 (4 units)



Course 32035, Spring 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	TBA
Lecture / Lab	Tuesdays & Thursdays from 2:00 - 4:50pm in OHE406
Teaching Assistant	Anitha Neelakantan
Grader	Anitha Neelakantan (aneelaka@usc.edu)
Class Website	http://uscitp.com/spring-2017/itp301tth/
Textbook	(optional) Javascript Bible , 6th Edition, Danny Goodman, Hungry Minds, 2007.

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

No make-up exams (except for documented medical or family emergencies) will be offered nor will there be any changes made to the Final Exam schedule, except as permitted by university rules.

Due dates and requirements for all Labs and Assignments will be posted on the class website. Students will upload their work to their USC web space as defined on the class website. It is the student's responsibility to post work by the due date following the defined class procedures, even if student misses class. Students get TWO late extension requests for any lab or assignment. Extension will give students an extra 72 hours to submit the lab or assignment. To receive the extension, students must email the instructor and grader BEFORE the lab or assignment's original deadline.

An attendance sheet will be circulated each lecture. Students must sign in for lecture to receive lecture attendance credit. Failure to do so will result in an absence recorded for the student.

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	1/10	Course Overview Browser Technologies and Scripting Languages The DOM What are objects? Chrome Developer Tools
	1/12	CSS Review (styles, stylesheets, properties, selectors)
Week 2	1/17	Introduction to jQuery Using jQuery Plugins Debugging
	1/19	jQuery Continued
Week 3	1/24	Introduction to programming and JavaScript
	1/26	JS Variables, Expressions, Functions
Week 4	1/31	Conditional Logic
	2/2	'this' keyword Editing style properties
Week 5	2/7	Indexed arrays innerHTML
	2/9	indexOf Data Validation
Week 6	2/14	Loops charAt, substring, replace

	2/16	Searching through arrays
Week 7	2/21	Cross-browser, page info
	2/23	jQuery and JS integration
Week 8	2/28	Attribute selectors, form objects
	3/2	Midterm Exam Review
Week 9	3/7	Midterm Exam - Written
	3/9	Midterm Exam - Practical
		<i>Spring Break</i>
Week 10	3/21	DOM traversal with jQuery
	3/23	Timers, asynchronous code, cookies
Week 11	3/28	Object Literals
	3/30	jQuery animate, jQuery UI
Week 12	4/4	Student Conferences
	4/6	Student Conferences
Week 13	4/11	Special Topics
	4/13	Special Topics
Week 14	4/18	JSONP
	4/20	TBA
Week 15	4/25	JS group presentations
	4/27	Final Project Presentations