

Advanced Web Publishing

ITP 302 (2 Units)



Course 32000R, Mar 8 – Apr 29, 2016

Objective

This course will teach students advanced Web publishing skills as well introduce broader publishing topics relevant to publishers, developers, designers and webmasters.

Concepts

Students will study newer HTML and publishing technologies such as HTML5 and CSS3. They will learn how to create adaptive pages that adjust to different screen widths, and learn how to convert design comps into pages. Students will build Web pages specifically for mobile devices, including using jQuery mobile to implement the interactive interfaces generally associated with mobile applications. They will also learn the basics sites of traffic analytics and search engine optimization.

Prerequisites

None.

Instructor

Zune Nguyen

Contact

tridungn@usc.edu

Office Hours

Thursdays 1 – 1:50 p.m. in OHE 412
Please make an appointment.

Grader

Rebecca Casey (caseyr@usc.edu)

Lecture and Lab

Tuesday / Thursdays 11 a.m. – 1:50 p.m. in KAP 107

Website

<http://uscitp.com/spring-2016/itp-302/>

Required Textbooks

None.

Grading

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

Assignments	30%
Participation and labs	15%
Examinations	20%
Major 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 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.

An attendance sheet will be circulated each lecture. You must sign in for lecture to receive lecture attendance credit.

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>

Academic Integrity

USC seeks to maintain an optimal learning environment. General principles of academic honesty include the concept of respect for the intellectual property of others, the expectation that individual work will be submitted unless otherwise allowed by an instructor, and the obligations both to protect one's own academic work from misuse by others as well as to avoid using another's work as one's own. All students are expected to understand and abide by these principles. SCampus is USC's Student Guide to Policies and Conduct Code and can be found at: <http://scampus.usc.edu>. Section 11 contains the Behavior Violating University Standards and Appropriate Sanctions and can be found at: <http://scampus.usc.edu/1100-behavior-violating-university-standards-and-appropriate-sanctions/>. Students will be referred to the Office of Student Judicial Affairs and Community Standards (SJACS) for further review, should there be any suspicion of academic dishonesty. The Review process can be found at: <http://www.usc.edu/student-affairs/SJACS/>. An academic integrity tutorial can be found at: http://www.usc.edu/libraries/about/reference/tutorials/academic_integrity/index.php.

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.
- Fabrication: Submitting material for lab assignments, class projects or other assignments which is wholly or partially falsified, invented or otherwise does not represent work accomplished or undertaken by the student.
- Forgery, unauthorized alteration or unauthorized use of any university document, records, keys or instruments of identification, or of documents or records related to functions of the university.

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.

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Course Outline

Week 1a	Mar 8	HTML and CSS Review, Introduction to HTML5 semantic tags Lab: <i>Assignment page (due W1b – 10/22)</i> Lab: <i>Creating an html5 “web experience” page (due W1b – 10/22)</i>
Week 1b	Mar 10	CSS menus, HTML form and media tags Project: <i>HTML5 survey and browser compatibility (due 10/27)</i>
Week 2a	Mar 22	CSS3: Position, opacity, colors, fonts, columns, background images, transitions Project: <i>Interactive Web article (due W2b – 10/29)</i>
Week 2b	Mar 24	CSS Sprites, intermediate production techniques Project: <i>Sprite-driven web page (due W3a – 11/3)</i>
Week 3a	Mar 29	Introduction to Responsive Web Design, Designing, writing stylesheets for multiple platforms, Media queries. Lab: <i>Print stylesheet (due W3b – 11/5)</i> Project: <i>Adaptable web article (Due W3b – 11/5)</i>
Week 3b	Mar 31	Introduction to jQuery Lab: <i>jQuery exercises (due 4a – 11/10)</i> Lab: <i>Convert interactive article to jQuery (due W4a – 11/10)</i>
Week 4a	Apr 5	jQuery review: syntax, selectors, effects, manipulation Intermediate jQuery. JS Variables. Project: <i>jQuery interactive web page (due W4b – 11/12)</i>
Week 4ba	Apr 7	Working with CSS frameworks Project: <i>Bootstrap page (due W5b – 11/19)</i>
Week 5a	Apr 12	Examinations
Week 5b	Apr 14	jQuery animation, TBA Other JS libraries: from Facebook to Scriptaculous Lab: <i>Plug-in implementation (due W6a)</i> Project: <i>Animated data results in web page (due W6a)</i>

Week 6a	Apr 19	Building pages for mobile devices. “Mobile first” design. Planning out narrative workflows for presentations. Lab: <i>Mobile site (due W7a – 12/1)</i> Project: <i>Tutorial planning and workflow (due W7a – 12/1)</i>
	Apr 21	Review of jQuery Mobile. Search engines, meta tags and traffic reports Search engine optimization, Google Analytics, Targeted Report
Week 7a	Apr 26	Survey and demos of Publishing and Development tools. Content Management Systems (CMS). Intro to podcasting, RSS feeds, XML. Implementing design comps.
Week 7b	Apr 28	<i>Final Project Presentations.</i>
	May 06	Final Projects Due.