

Design for User Experience

ITP 310 (3 Units)

Course Description

This course provides a comprehensive overview of the user experience design process. Students learn the fundamental methods, concepts and techniques necessary to design useful, functional and delightful mobile and web products. The course focuses on both core theories and concepts as well as hands-on experience.

Objectives

After completing this course, students will be able to:

- Conduct UX design research
- Formulate solutions to address problems and meet goals
- Understand how UX designers fit into product development teams
- Establish requirements for UX design concepts
- Work within a UX design team through the entire design cycle
- Produce UX documentation including wireframes, designs, prototypes, and user flows
- Evaluate UX designs
- Apply evaluation results to improve UX designs

Prerequisites

None

Lectures and Lab

Mondays 5:00PM to 7:20PM in KAP 146

Instructor

Arpi Mardirossian

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Office Hours: Mondays 7:30PM to 8:30PM in KAP 146

Lab Assistant

Aaditya Ashish Mehta

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Website

blackboard.usc.edu

Tools

Students are introduced to a number of the tools most used in the industry (Sketch, Adobe Photoshop, OmniGraffle, InVision and Marvel) and can choose which tools they prefer to use.

Textbook

This class covers a great deal of territory, so no single textbook can cover it all. The following textbooks provide important background, and will be used as reference material:

- Krug, Steve (2014). *Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability*. New Riders. ISBN-10 0321965515
- Chandler, Carolyn (2013). *Adventures in Experience Design*. New Riders. ISBN-10 0321934040.
- Norman, Don (2013). *The Design of Everyday Things: Revised and Expanded Edition*. Basic Books. ISBN-10 0465050654.
- Eyal, Nir (2014). *Hooked: How to Build Habit-Forming Products*. Portfolio. ISBN-10 1591847788.

Project

For a hands-on experience, there will be a semester-long group project assignment. Each group must have between 2 and 4 members. Each group works on designing a new web product or redesigning an existing one. At the end of the semester, each group presents their designs.

Grading

The weight of the graded material during the semester is listed below:

In-Class Participation	10%
Homework	20%
Exam	30%
Final Project	40%

Policies

Exams

- The use of mobile devices or computers is not be permitted during the exam.
- No make-up exams will be offered.

Homework

- Students are encouraged to work with their classmates. However, each student must turn in their own copy of the homework.
- Late homework submissions will be subject to a late penalty. No assignments will be accepted later than five days from the due date.

Project

- Grading of the project will include both the team grade provided by the professor as well as a peer assessment provided by the team members.
- All team members must participate in the project presentation.

- No make-up project presentations will be offered.

Course Outline

Week 1 (01.11) Introduction and UX Design 101

Week 2 (01.18) Martin Luther King Day – No Class

Week 3 (01.25) UX Design in the Development Lifecycle

Week 4 (02.01) Research

Week 5 (02.08) The User

Week 6 (02.15) Presidents' Day – No Class

Week 7 (02.22) Requirements and Features

Week 8 (02.29) Design Principles

Week 9 (03.07) Wireframes

Week 10 (03.14) Spring Recess – No Class

Week 11 (03.21) Visual Designs

Week 12 (03.28) Prototypes

Week 13 (04.04) Testing and Validation

Week 14 (04.11) Onboarding

Week 15 (04.18) The Future of UX Design

Week 16 (04.25) Exam

Finals Week (05.04 to 05.11) Project Presentations

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.

Academic Conduct

Each student is expected to: be responsible for his/her own learning, to solve and write up his/her own solutions, and, to credit all sources of material and collaborators to the formulating of a solution. Plagiarism, the use and passing off of the ideas or work of another as one's own, will be severely punished; see USC's Academic Integrity Policy:

You are expected to solve and write up your own homework, or you will be penalized for cheating. But you are encouraged to study and to work on assignments and homework together. This includes discussing solution strategies to be used on individual assignments. If you do study or work together on homework, be sure to credit your team of collaborators. However, all work submitted for the class is to be done individually.

All USC students are responsible for reading and following the Student Conduct Code. The USC Student Conduct Code prohibits plagiarism. Some examples of what is not allowed by the conduct code: copying all or part of someone else's work (by hand or by looking at others' files, either secretly or if shown), and submitting it as your own; giving another student in the class a copy of your assignment solution; consulting with another student during an exam. If you have questions about what is allowed, please discuss it with the instructor.

Students who violate University standards of academic integrity are subject to disciplinary sanctions, including failure in the course and suspension from the University. Since dishonesty in any form harms the individual, other students, and the University, policies on academic integrity will be strictly enforced. Violations of the Student Conduct Code will be filed with the Office of Student Conduct, and appropriate sanctions will be given.

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.

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.