

DESIGN 378 – Interface Design– Winter 2018 | Tue + Thu 12–2:50pm

Prof. Karen Cheng | kcheng@uw.edu | Office Hours Tue 3:30–4:30pm, Rm 257 Art Bldg

Prof. Audrey Desjardins | adesjard@uw.edu | Office Hours Wed 1:30-2:30, Rm 255 Art Bldg

| | TUE | THU |
|-------|---|---|
| wk_1 | | 1.04 Assign Proj 1: Simple App Redesign Assign Sketch Tutorials Read Required iOS+Android Guidelines In-class: App Wireframing/Task Flows; Competitive Analysis; Vision |
| wk_2 | 1.9 KC Lecture: Visual UI Design AD Lecture: Micro-Interactions Sketch Demo: Esther Kim Assign UI-Wireframes Read Micro-Interactions PDF and Designing Interface Animation, Part 2 | 1.11 Critique: Review UI-Wireframes Select direction to refine/finalize Principle Demo: Esther Kim Assign: Group preference survey (due Fri 1/12) |
| wk_3 | 1.16 Critique: Initial App Screen Sketches Be prepared for workday when not participating in group critique Guest Critics TBD | 1.18 Assign Proj 2: Group App Redesign In-class: App Scope Design Brief/ Task Flows Assign: Friend @ 1/25 class AD Lecture: User Testing |
| wk_4 | 1.23 Critique: Review App Prototype Guest Critics TBD | 1.25 App Contacts visit course @ 12pm Conduct User Testing with Friend(s) Groups finalize/submit Design Brief by Fri 1/26 |
| wk_5 | 1.30 Final Critique: Project 1 Guest Critics TBD | 2.01 AD Lecture: OnBoarding AD Lecture: Modalities KC Lecture: Design Brief Review |
| wk_6 | 2.06 Project 2: Critique 1 Initial Direction App 1/2 Guest Critics: TBD | 2.08 Project 2: Critique 1 Initial Direction App 3/4 Guest Critics: TBD |
| wk_7 | 2.13 Proj 2: Development Critique App 1/2 meet w/KC App 3/4 meet w/AD Assign: Friend for 2/20 or 2/22 class | 2.15 Proj 2: Development Critique App 3/4 meet w/KC App 1/2 meet w/AD Mid-Proj. Peer Review |
| wk_8 | 2.20 Proj 2: User Testing of Semi-Final Design for App 1/2 App 3/4 meet w/AD+KC App | 2.22 Project 2: User Testing Semi-Final Design for App 3/4 App 1/2 meet w/AD+KC |
| wk_9 | 2.27 Project 2: Final Critique App 1+2 meet w/ KC + AD | 3.01 Project 2: Final Critique App 3+4 meet w/ KC + AD |
| wk_10 | 3.06 Workday | 3.08 Workday |

All work due at start of assigned final exam time: 10:30am-12:20pm Thu Mar 15

No exceptions. Schedule Spring Break travel accordingly.

Course Goals

The purpose of this class is to help students develop the skills necessary to design an effective user interface (UI)—the space and controls through which a user communicates with a tool/application/device. Specifically, students will:

- 1 Research, plan and design prototypes for two different mobile applications
- 2 Discuss, analyze and evaluate what makes a UI effective or ineffective, including:
 - logical information architecture / user task flows
 - feedback and microinteractions that guide user behavior
- 3 Conduct user testing and incorporate test results into a design prototype

Expectations

Be in class every day, on time, prepared with your work. Chronic lateness or insufficient preparation is seen as a lack of interest and lack of respect for myself and your colleagues.

Take notes by hand; do not use your laptop or phone during critiques. Taking notes by hand improves recall and long-term comprehension, see: www.psychologicalscience.org/news/releases/take-notes-by-hand-for-better-long-term-comprehension.html and www.nytimes.com/2017/11/22/business/laptops-not-during-lecture-or-meeting.html

You are expected to remain in class for the entire studio session. If you must miss class (or leave early/arrive late), please notify me via e-mail as soon as possible. **You are responsible for all assignments and information covered in class, regardless of your attendance.**

Grading

Grading is based on:

- 1 The quality of the final projects—both visual and conceptual;
- 2 The design process—the extent of exploration and variation completed over the quarter;
- 3 Class participation—engagement and communication with others in your group(s), and with the entire class during critiques and in-class exercises.

3.8–4.0 is given to a student who has exhibited the highest possible performance in all aspects of the course—final projects, the design process and participation are excellent. This student independently seeks out additional information on design and is highly committed/passionate about their work.

3.4–3.7 is given to a student who exhibits superior performance in all aspects of the course—the final projects, design process, and participation are uniformly of high quality. This student has a thorough understanding of all concepts presented, and is motivated to improve and succeed.

2.9–3.3 is given to a student who has good performance in most aspects of the course. This student follows a thorough design process, has good design work, and consistent participation that reflects a clear understanding of almost all concepts being presented.

2.5–2.8 is given to a student who has fair performance in the course. The final work is adequate, with a design process that reflects the minimum effort needed to complete assignments. Participation and motivation are moderate.

0–2.4 is given to a student with poor performance in the course. Projects are incorrectly prepared, incomplete or missing. This student does not understand the majority of concepts presented and rarely participates in class. This student is not prepared for subsequent courses in design.

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Point-Level Grading Rubric // TOTAL POSSIBLE PTS: 215 pts

After calculation of all point totals, we will apply a grading curve.

Project 1: Individual App Re-Design = 80 pts

10 pts = Grade for Wireframe Critique

10 pts = Grade for Initial App Sketches

10 pts = Grade for App Prototype #1

10 pts = Grade for Final App Critique

40 pts = Final App Documentation, Prototype and two Movies, due at Final Exam

Project 2: Group App Re-Design = 120 pts

10 pts = Grade for Design Brief

10 pts = Grade for Critique Presentation #1

10 pts = Grade for Development Critique

10 pts = Grade for Final Critique

10 pts = Peer Eval (six categories each worth 5 pts—we will average together all scores x 2)

10 pts = Your Individual Contribution, documented according to guidelines

60 pts = Final App Documentation/Prototype/Movie, due at Final Exam

Participation in Class = 15 pts

10 pts = Average of your class attendance (each day = one pt, late or early leaving is a deduction -.5 pt)

up to +5 pts if you have been actively engaged during critique—

i.e., providing helpful critical feedback to people within and outside your group

(this is subjective judgement on our part, you can ask at any time how you are doing)

up to -5 pts if you have been particularly disengaged during critique—

i.e., taking excessively long classroom breaks, whispering with others, on your phone/laptop, etc.

(this is subjective judgement on our part, you can ask at any time how you are doing)

Plagiarism

Plagiarism is defined as using in your own work the creations, ideas, words, inventions, or work of someone else without formally acknowledging them through the use of quotation marks, footnotes, bibliography, or other reference. Please check with me if you have questions about what constitutes plagiarism. This guide may also be helpful:

<https://depts.washington.edu/pswrite/plag.html>.

Instances of plagiarism will be referred to the Vice Provost/Special Asst. to the President for Student Relations and may lead to disciplinary action.

Access and Accommodations

UW Disability Resources for Students (<http://depts.washington.edu/uwdrs>) offers resources and coordinates reasonable accommodations for students with disabilities. If you have already established accommodations with DRS, please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course. If you have not yet established services through DRS, but have a temporary or permanent disability that requires accommodations (this can include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability.uw.edu. When you contact the DRS office, their staff will work to establish reasonable accommodations for you through an interactive process between myself, you, and their office.

REQUIRED READING

Android Guidelines: developer.android.com/design/patterns/index.html

iOS: developer.apple.com/ios/human-interface-guidelines/overview/design-principles

Microinteractions, Dan Saffer, 2013; www.odannyboy.com

Designing Interface Animation: Meaningful Motion for User Experiences, Val Head, 2016;
<http://valhead.com/>

Additional/Suggested Readings

Tapworthy: Designing Great iPhone Apps, Josh Clark, 2010

Designing for Interaction, Dan Saffer, 2009 (second edition)

Don't Make Me Think, Revisited Steve Krug, 2014 (third edition); www.sensible.com

The Design of Everyday Things, Don Norman, 2013 (revised/expanded edition); www.jnd.org

Interaction Design: Beyond Human-Computer Interaction, Jenny Preece, 2013 (fourth edition)
www.id-book.com

Mobile Design“Inspiration” Websites

iospirations.com

lovelyui.com

mobile-patterns.com

pttrns.com

ui.theultralinx.com

REQUIRED SKETCH SOFTWARE READINGS/TUTORIALS

designcode.io/sketch

medium.com/shyp-design/design-at-1x-its-a-fact-249c5b896536

learnsketch.com/tutorials/what-is-sketch

SAFETY NOTICES

After-Hours Access to the Art Building

For after-hours access to the Art Building, please bring your Husky Card to the SOAAHD Advising Office (Rom 104 Art Building, open M-F, 8am-4pm). Student cards will be swiped, and you will receive an access sticker for your Husky Card. Access is instant after swiping. Access will be removed at the end of the year.

Violence Awareness/Prevention

- Always call 911 if you or others may be in danger.
- Call 206-685-SAFE (7233) to report non-urgent threats of violence and for referrals to UW counseling (www.washington.edu/counseling) and/or safety resources (www.washington.edu/safety).
- Don't walk alone. Campus safety guards can walk with you on campus after dark. Call Husky NightWalk @206-685-WALK (9255) or the shuttle/NightRide program: facilities.uw.edu/services/tags/Shuttles
- Stay connected in an emergency with UW Alert by registering your mobile number at www.washington.edu/alert to receive instant notification of campus emergencies via text. For more information, visit the SafeCampus website at www.washington.edu/safecampus.
- Proper student conduct is important for maintaining a healthy environment at UW. Please familiarize yourself with the UW Student Code of Conduct: <http://app.leg.wa.gov/WAC/default.aspx?cite=478-120>