

so your classmates can pay attention...

Please turn off
mobile phones
and WiFi

SCOTT KLEMMER

The goal of these courses is to teach designing for people. As evidenced by the enrollment and attendance -- and the more than 43,000 students registered for the online variant of this class -- there's a huge interest in design for its increasingly central role in technology. And in societal change. Student and TA alumni of this class include Larry Page, Mike Krieger, Akshay Kothari. Lots of faculty & researchers. And social entrepreneurs, like Neil Patel. Who is this course for? Lots of people. Last year, we had 156 students from 22 majors. And students from across the university do great. We've had top performers in everything from East Asian studies to Human Biology. And from Freshman to senior PhD students.

Course Values

This story demonstrates several principles that form the core values of this course. **First**, as Vannevar Bush showed us

Course Values

Course Values

•People

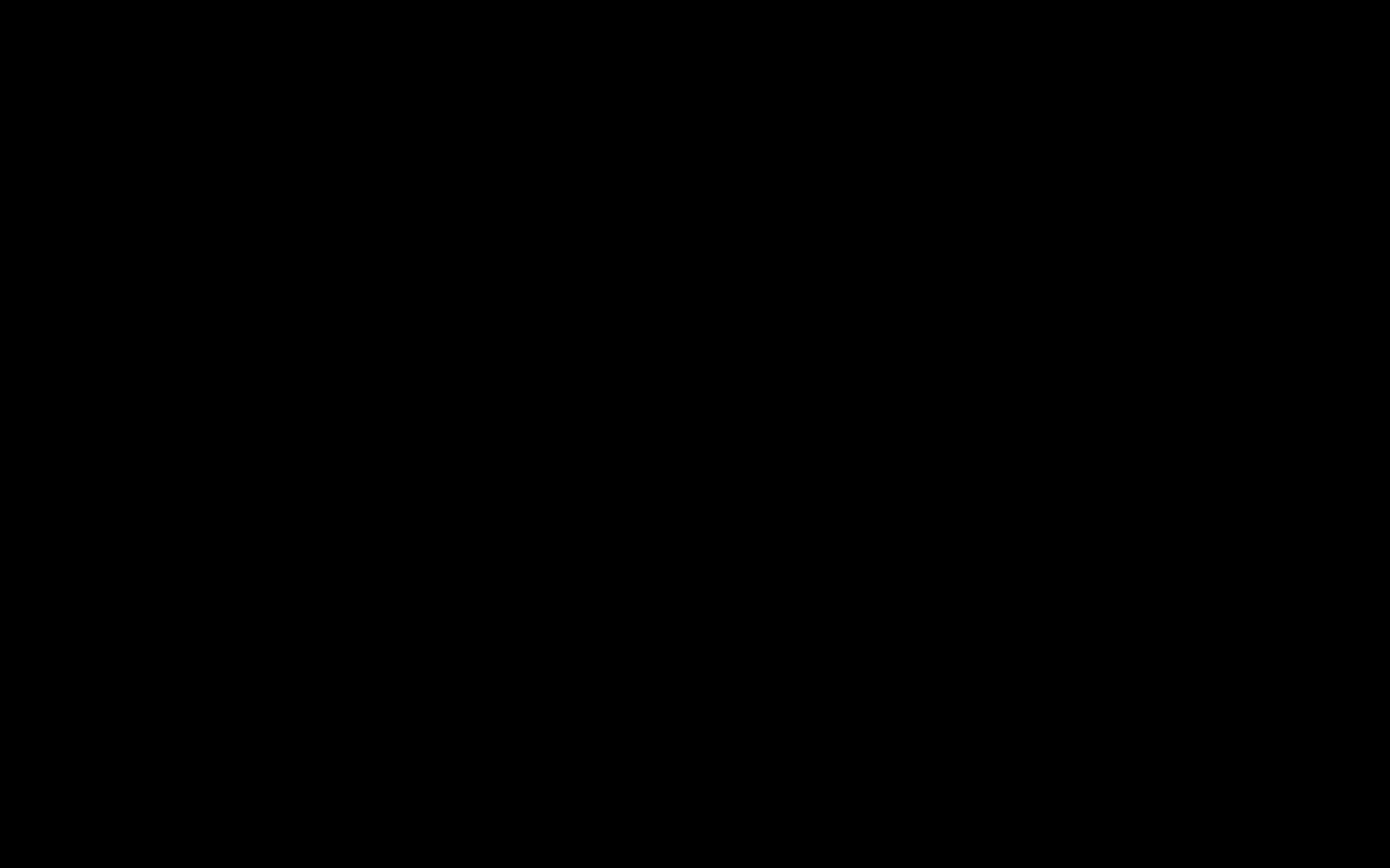
designs are for people. The success of our field is determined by how much we empower people. **Second,**

Course Values

Course Values

- People
- Prototype

rapid prototyping is both essential and tractable, even for highly futuristic technologies. Alan Kay built the first dynabook out of cardboard! Prototyping helps us evolve our ideas, learn from their use, and communicate to others. Bush didn't just say that technology would help knowledge work. He painted a rich picture of how. And even went so far as to produce sketches and an implementation plan. Today's Web is not built on microfiche. So was that a waste of time? I say no -- it was incredibly valuable. Presenting the Memex and the Dynabook concretely helped communicate the concepts to others. **Third**, it's essential to create, evaluate, and compare many alternatives.



Walkabout

Course Values

- People
- Prototype
- Compare

it's essential to create, evaluate, and compare many alternatives. Doug's group made a whole lot of input devices before settling on the mouse. **Fourth**, designs often improve through iteration.

Course Values

- People
- Prototype
- Compare
- Iterate

After the input bake-off, Engelbart's group wasn't done. They used the best ideas themselves, watched others use them, and continued both controlled and informal experiments. **Fifth**,

Course Values

- People
- Prototype
- Compare
- Iterate
- Principles

theory can help inspire designs, and clarify what their salient differences are. The theories of Alan Newell, Stu Card, and colleagues helped guide PARC's designers.

A quarter-long design project

Describe the process.

Teams of three
Shared Weekly in Studio

FINAL PRESENTATIONS FRIDAY
12/7

Last year, the most common project ideas were a Google Maps+ Calendar mashup (5 projects), an app to find menus from places on campus (5 projects) and a grocery list management system (4 projects). Jurors have included Peter Norvig, Scott Forstall, ...

Two classes in one

	cs147: Intro to HCI Design	cs77: Interaction Design Basics
<i>Prerequisites</i>	cs106b or equivalent <i>(co-requisite for grad students)</i>	none
<i>Units</i>	4 <i>(3 for grad students w/cap)</i>	2
<i>Grading</i>	ABC	S/NC
<i>Required Attendance</i>	MWF <i>(“lecture”, lab, studio)</i>	MF <i>(“lecture”, studio)</i>
<i>Counts Toward Major</i>	Yes	No

Like most design classes at Stanford (in art, product design, HCI), attendance is required. In-class activities will form part of your grade. If you can't or don't want to attend class, you're not in the right place and you're missing the point.

No reading

Instead, both lab and lecture will have assigned videos on the syllabus.

Weekly Studio Ritual

- Projects due Thursdays, 11.59pm
- Participate in studio & check out your peers' work
- Reflect on & self-assess your work

Show up on time

The Web Site

has all the information
it's where to send all questions

everything is here. Lectures. Assignment. FAQ. Fora. If it's not, it should be. And you can fix it by posting to the forum. If you have a question, so do 30 other people.

Visit office hours!

I hold group office hours. They're good for all parties involved. Come join.

Email

Should be used only for private, emergency matters. Nearly everything should go to the forum or office hours, and I've requested that my TAs not respond to emails that should go to one of those places.

For class on Wednesday

- Watch the posted videos for lab
- Sign up for cs77/l47

**To take cs77/147
you must sign up online**

Share demographic information, confirm appropriate background, sign up for a studio. First-come, first-serve.

Questions?

First project:
Redesign
waiting-in-line
(*due Thursday 11.59pm*)



cs I 47 Studio Leaders & Themes

Kevin	Empowerment, Maps
Arvind	Storytelling
Rio	Responsible
Kathryn	Education
Joy	Accessibility
Julie	Maps
Robi	Art
Katherine	Community, Health
Joel	Health
Vidya	Ubiquity

11 studio leaders.

cs77 Studio Leader

•Sam King!

Check the number
on your handout