

March 6, 2014

ENGR110/210

Perspectives in Assistive Technology



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Questions?



Important Weblinks

- Course website
 - <http://engr110.stanford.edu/>
- **Individual Reflection**
 - <http://www.stanford.edu/class/engr110/assignment2.html#reflection>
- Anonymous Suggestion Box
 - <http://engr110.stanford.edu/suggestion.html>
- Course syllabus
 - <http://engr110.stanford.edu/syllabus.html>
- **Example team project report**
 - <http://engr110.stanford.edu/ProApps.pdf>
- Final team project assignment
 - <http://engr110.stanford.edu/assignment2.html>
- **Project Expenses & Reimbursement**
 - <http://engr110.stanford.edu/expenses.html>
- Individual project assignment
 - <http://engr110.stanford.edu/assignment.html>

Request Conditional Incomplete

- If you think you will not have time to **make up missed lectures** by the end of the quarter, you can request a “**Conditional Incomplete**” by the last class session – Thursday, March 13th.
- If you are indeed able to submit your missed lecture summaries / reflections, I will enter a grade that represents your full course participation.
- If you do not submit your missed lecture summaries / reflections, I will enter an Incomplete.
- Upon receipt of your missed lecture summaries / reflections, I will change the Incomplete to a grade that represents you full course participation. The Incomplete will disappear.
- If you do not request an Incomplete and fail to submit your missed lecture summaries / reflections, your grade will reflect a lack of full course participation.

Request Report / Reflection Extension

- The end of the quarter is a busy time for students.
- If you need an extra day or two to complete and perfect your Final Report or Individual Reflection, you may request an extension.



Upcoming Class Sessions

- Tue – Mar 11th – Student Team Project Final Presentations
 - Formal, professional team presentations, no questions
- Thu – Mar 13th – Project Demos, Course Evaluation, and Celebration
 - Last day to request “Conditional Incomplete”
 - Informal, interactive project demonstrations outside (with food & drink)
- Mon – Mar 17th – Final Reports and Individual Reflections due
- Tue – Mar 25th – Grades due at midnight

Report Writing Resources

WIM Resources for Students Hume Center for Writing and Speaking

<https://undergrad.stanford.edu/tutoring-support/hume-center/writing/writing-major/wim-resources-students>

University of Richmond Writing Center

<http://writing2.richmond.edu/writing/wweb.html>

Course website

<http://www.stanford.edu/class/engr110/links.html>

Writing Redux

<http://www.stanford.edu/dept/CTL/cgi-bin/academicsskillscoaching/why-does-the-duck-stop-here/>

PowerPoint & Presentation Tips

Course website

<http://www.stanford.edu/class/engr110/links.html>

Final Presentation Logistics

For Dave:

1. Email reminders to all teams to send slides by Tuesday noon
2. Send slide presenter instruction webpage link
3. Start promptly at 4:15pm with a short announcement about Project Demonstration / Celebration / Course Evaluation on Thursday
4. 5 minute presentations per team
5. Announce “on-deck” team, so they can be ready to go
6. Save any questions for Thursday’s Project Demonstration

Final Presentation Tips

For teams:

1. Send slides to Dave by Tue noon
2. All presentations loaded on Dave's laptop
3. No live demos - use one short video
4. Presenter notes on index cards rather than 8.5 by 11 sheets of papers
5. Figure out where to stand when speaking, when not speaking
6. Don't look at screen too much
7. Use laser pointer rather than finger
8. Choose colors and background for high contrast text
9. Show prototypes in slides
10. Cover the entire quarter's effort with emphasis on what you have achieved
11. Practice for timing and quality
12. Dress professionally, speak positively, confidently, loudly, with energy and enthusiasm
13. Address future plans / efforts
14. Invite project suggestor and others

Final Presentation Tips

For community:

1. Projects represent 8 weeks of team effort
2. Devices are meant to be prototypes, not market-ready
3. Some devices address a single user's problems, so would have a limited market

Miscellany



1. Project Home Stretch
 - Have a backup plan
 - Don't be apologetic

2. Food and Drink sign-up sheet for everyone who plans to attend



Tuesday's Presentation Lineup

1. **Team Kinect! / Project Employing Microsoft Kinect Controller** - Puneeth Gadangi, Trevor! Kalkus, Melissa Sussmann-Martinez
2. **All In / Magical Bridge Playground Project** - Kori Carter, Spenser Linney
3. **Team ChairPacx / Project for Ladidi Garba's Sister** - Ladidi Garba, Nick Spears
4. **Team Backer Uppers / Wheelchair Backup Alert** - Iqbal Bakhsh, Jason Gonzalez
5. **Team FLOW / Asthma Control Project** - Poni Bepo, Danielle Simms, Richie Tran
6. **Cathriona's Crew / Project for Austin Carey's Sister** - Austin Carey, Katie Jarve, Eric Mochalski
7. **Team Pimp Your Ride / Customize the Wheelchair** - Katherine Cheng, Jenny Wilde
8. **Team Fun for Everyone / Magical Bridge Playground Project** - Angel Jimenez, Victoria Robles, Charlie Rosas
9. **Team Triathlon Prosthetics / Triathlon Project with Gary Berke** - Chase Disher, Alex Fritzing-Pittman
10. **Accessible Expression / Customize the Wheelchair Project** - Dwight Powell
11. **Team Lizmat Design / Customize the Wheelchair** - Elizabeth Matus
12. **Team AccessEdu / Educational Activities for Children with Disabilities** - Yaya Campbell, Cynthia Day, Luke deWilde
13. **Team All-Play / Magical Bridge Playground Project** - Julia Landauer, Jojo Ortiz
14. **Team Walrus! / 3D Printing of Tactile Graphics & Objects** - Anya Agarwal, Shaheen Jeeawoody, Maya Yamane

Today



Ralf Hotchkiss

Wheelchair Fabrication in Developing Countries

Short Break



Break Activities



- Stand up and stretch
- Take a bio-break
- Text message
- Web-surf
- Respond to email
- Talk with classmates
- Reflect on what was presented in class



Short Break

