

March 4, 2014

ENGR110/210

Perspectives in Assistive Technology



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Questions?



Upcoming Lectures

- Thu – Mar 6th - Wheelchair Fabrication in Developing Countries
- Tue – Mar 11th – Student Team Project Final Presentations
- Thu – Mar 13th – Project Demos, Course Evaluation, and Celebration

Important Weblinks

- Course website
 - <http://engr110.stanford.edu/>
- Lecture schedule
 - <http://engr110.stanford.edu/schedule.html>
- 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>

Missed Lectures

- The in-class lectures are a vital component of ENGR110/210 Perspectives in Assistive Technology course.
- If you are taking the class for one-unit (either with or without a letter grade), you must attend at least 10 lectures, including the first one.
- With the three-unit option, you are required to attend all the class sessions.
- Any missed mandatory lectures must be made up. Failure to do so will have an impact on the student's grade.

Missed Lectures

- Missed lectures may be made up by first reviewing the lecture recorded audio, slides, any handouts, any videos, any weblinks, and photos posted on the lecture webpage.
- Then either:
 - Write a summary of the missed lecture of 1 - 2 pages in length that includes an overview of the lecture content as well as your comments, thoughts, and reflections about the material. (What was especially interesting, surprising, how it made you feel, etc.) Email the text or Word document to me within a week of the missed lecture. Please don't use a large font, double-spacing, or wide margins.
 - Arrange to meet with me to discuss the missed lecture. Be prepared to lead the conversation with questions, comments, and thoughts. This should take about 15 minutes.
- After I receive and read your emailed submission or met with you, I will credit you with "attending" the missed class lecture.

Missed Lectures

Three options for students who have missed lectures:

1. Make up all missed lectures by the end of the quarter
2. Experience grade impact
3. Request to receive an Incomplete
 - a. Make up missed lectures with a year - experience no grade impact
 - b. Don't make up missed lectures
 1. experience grade impact
 2. experience no course credit – course not taken

Conditional Incomplete Request

- 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.

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>

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 2:30pm the day of presentation – all presentations from laptop
2. Send slide presenter instruction webpage link
3. Start promptly at 4:15pm
4. Start with a short announcement about projects & celebration / demo on Thursday
5. 5 minute presentations per team
6. Announce “on-deck” team
7. Save any questions for Thursday

Final Presentation Tips

For teams:

1. No live demos - use one short video
2. Presenter notes on index cards rather than 8.5 by 11 sheets of papers
3. Figure out where to stand when speaking, when not speaking
4. Don't look at screen too much
5. Use laser pointer rather than finger
6. Choose colors and background for high contrast text
7. Show prototypes in slides
8. Practice for timing and quality
9. Dress professionally, speak confidently, loudly, with energy
10. Address future plans / efforts
11. 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 one user's problems, so may have a limited market

Miscellany



1. Project Home Stretch
 - Identify & assign tasks
 - Have a backup plan
2. Food and Drink sign-up sheet
3. Individual Project Presentations – 15 minutes
 - Wed 2:00pm – Kartik – 2nd floor CDR
 - Thu 1:30pm – Lizmarie & Matt – Fishbowl room near my office
4. Final presentation order
5. Weekly project progress – by email and/or meeting
 - Show me your report and presentation drafts
 - Get another project perspective from Margaret



Thursday



Ralf Hotchkiss

Wheelchair Fabrication in Developing Countries

Today



Jules Sherman

Aesthetics Matter in Assistive Technologies



Robert Liebert

Starting an Assistive Technology Company

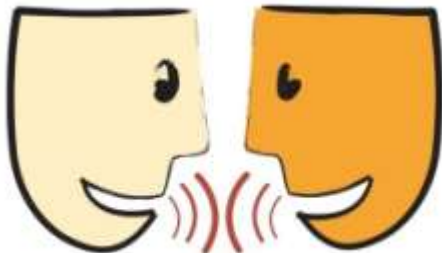
Short Break



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

