ENGR110/210 Perspectives in Assistive Technology



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Margaret Mongare



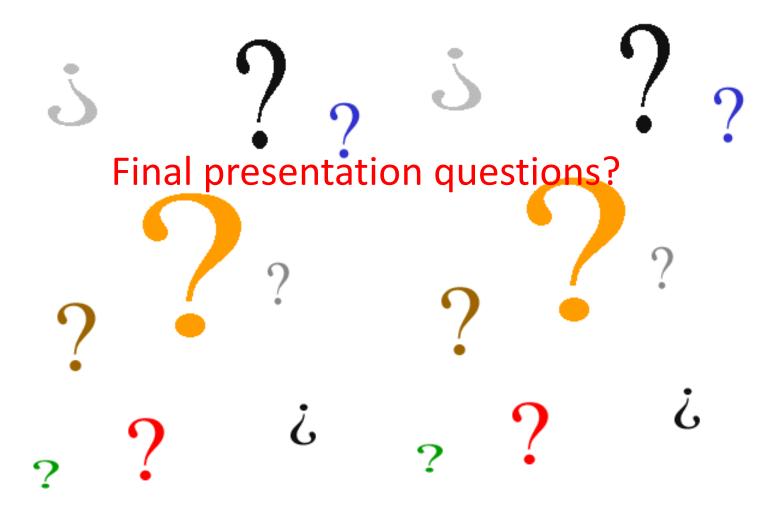


Professor Drew Nelson

Proadpran P. Punyabukkana, PhD

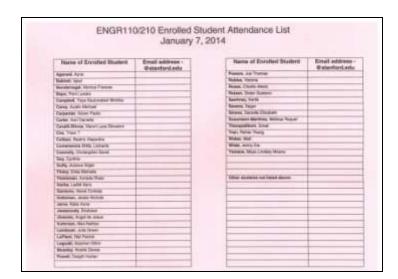


Questions?



Today's Handouts, Signup Sheets, and Fillout Forms

- For all students: Attendance List
- For all students and community members:
 - Class Session Evaluation Form



Perspectives in Assistive Technology - 2014 Class Session Evaluation Lecture Dia: Course Overview & Introduction to Assistive Technology - David L. Jeffe, MS Are you an enrolled student? D - Yes The purpose of the questionnaire is to help the leaching learn assess today's class session. Please rate the following □ □ speaking volume, understandability, was of following concepts and arguments, clarity of explanations graphy of PowerPoint stokes, use of supporting media (videos) and presentation aids (Show&Tell terms) □ □ stage presence, knowledge of topic, preparedness presentation structure, organization, page and management of allotted time ☐ ☐ ☐ apportunity for questioning and class engagement □ □ provided good answers, examples, and demonstrations ⊕ ⊕ B Content: □ □ □ topic interest □ □ □ relevance to the broad acope of assistive technology □ □ presentation of new information □ □ □ appropriate level of detail and technical content C C C everal value of presented material Please use the book of this page to answer the following questions and to provide any additional comments, especially if you found the class session to be either © or ®. What are your thoughts and observations about the entire class session? What concepts did you especially like or wish were covered in more detail?

Important Weblinks

- Course website
 - <u>http://engr110.stanford.edu/</u>
- 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/academicskillscoaching/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

- 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 Fritzinger-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

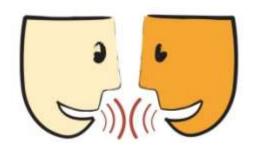
Short Break





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

