February 6, 2014

# ENGR110/210
# Perspectives in Assistive Technology



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Professor Drew Nelson

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# Questions?

# Today's Handouts, Signup Sheets, and Fillout Forms

For all students:

- Attendance List - important to verify your attendance at every class session

For all students and community members:

- Class Session Evaluation Form

# Upcoming Lectures

- Tue - Feb 11th – Assistive Technology Faire
- Thu - Feb 13th – <span style="color:red">Student Team Project Mid-term Presentations</span>
- Tue – Feb 18th – VA Tour
- Thu – Feb 20th – Assistive Technology Opportunities in Autism
- Tue – Feb 25th – Motion & Gait Lab Tour
- Thu – Feb 27th – Designing Beyond the Norm to Meet the Needs of All People
- Tue – Mar 4th – Aesthetics Matter in Assistive Technology & Starting an Assistive Technology Company
- 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 project report
  - http://engr110.stanford.edu/ProApps.pdf
- Mid-term project assignment
  - http://engr110.stanford.edu/assignment1.html
- Final project assignment
  - http://engr110.stanford.edu/assignment2.html
- Individual project assignment
  - http://engr110.stanford.edu/assignment.html

# Team Project Presentations

1. Presentation time slot signup sheet
2. 5 minutes per team
3. Send me your PowerPoint slides & any videos
4. Major content items:
   - Problem statement
   - Design / development process
   - Sketches & prototypes (in slides)
   - Plans for the remainder of the course
5. Professional presentation:
   - Practice
   - Confidence, energy, passion, and volume

# Miscellany

1. "Meet with Dave" sign-up sheet
2. Driver signup sheet for field trips:
   - Tue Feb 18th - VA (Palo Alto)
   - Tue Feb 25th - Motion & Gait Analysis (Menlo Park)
3. Weekly project progress – by email and/or meeting
   - Show me your sketches and prototypes
   - Get another perspective from Margaret or Proadpran
4. Team project reports due Tuesday, February 18th
   - Use person-first terminology
   - Ask someone outside your project to proof-read your report
   - Email in Word or pdf formats (do not print)

# Tuesday

**Assistive Technology Faire**

Eight Vendors:

1. 6dot™ Braille Labeler, ProxTalker®, ProxPAD™, and BrailleCoach™
2. VisionEdge™ Reading Aid
3. Whill Type-A Wheelchair
4. Podna Rover
5. Service Dog Training
6. Computer Access Tools
7. Digital Accelerator Ring and the Main Hand Brake
8. Beam Remote Presence Devices

Review all the offerings with someone in the class who is not on your project team.

# Questions for Vendors

1. What problem does your device or service address?

2. Who benefits from its use? How many users are there?

3. Why is your device or service superior to others?

4. What design / development process was pursued? How many prototypes did it take to get to commercialization?

5. How do you advertise your products or services?

Review all the offerings with someone in the class who is not on your project team.

# Today

Gary M. Berke, MS, CP, FAAOP
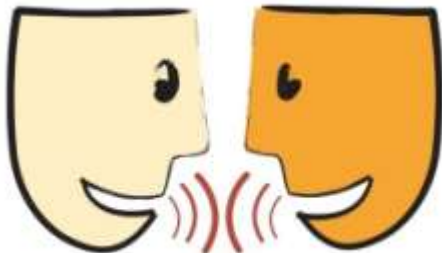
**Issues of Human Interface Design**

# 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