February 27, 2014

ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS

Margaret Mongare





Professor Drew Nelson

Proadpran P. Punyabukkana, PhD

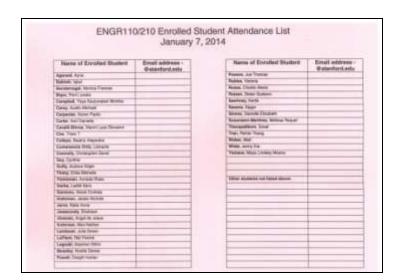


Questions?



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 and presentation aids (Show&Tell terms) 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 □ □ □ relevence 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 C or S. What are your thoughts and observations about the entire class session? What concepts did you especially like or wish were covered in more detail?

Upcoming Lectures

- 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 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
 - <u>http://engr110.stanford.edu/assignment.html</u>

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 <u>Incomplete</u>
 - 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

Miscellany



- 1. Project Home Stretch
 - Identify & assign tasks
 - Have a backup plan
- 2. "Meet with Dave" sign-up sheet
- 3. Final student team presentations will be 5 minutes

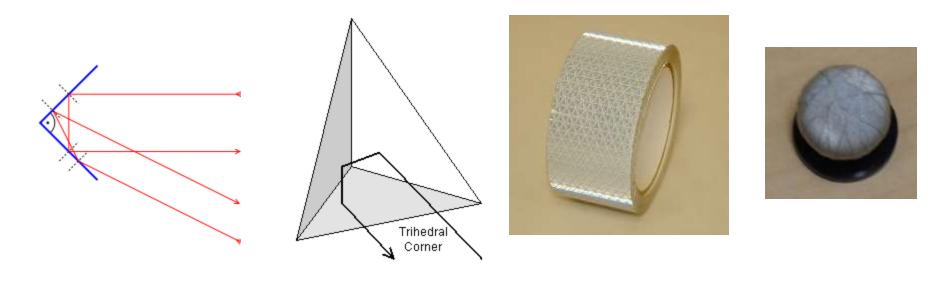


- 5. Weekly project progress by email and/or meeting
 - Show me your sketches and prototypes
 - Show me your report and presentation drafts
 - Ask questions regarding mid-term report mark-up
 - Get another project perspective from Margaret or Proadpran



Corner Reflector

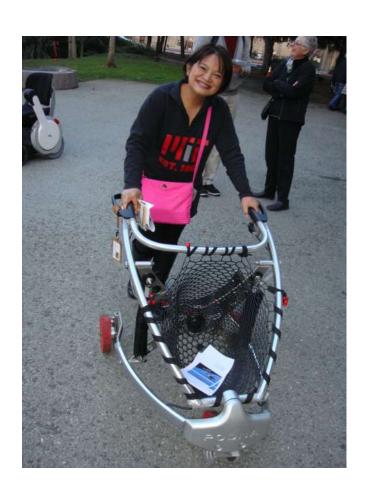
A **corner reflector** consists of three mutually perpendicular, intersecting flat surfaces, which reflects waves back directly towards the source.



This property is called retroreflectivity.



Proadpran's Last Class



Tuesday



Jules Sherman

Aesthetics Matter in Assistive Technologies



Robert Liebert **Starting an Assistive Technology Company**

Today



Peter W. Axelson, MSME, ATP, RET

Designing Beyond the Norm to Meet the

Needs of All People

Optional dinner with Peter at Max's Opera Café in Stanford Shopping Center – 6:30pm







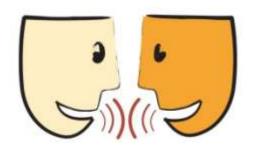
Short Break





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

