

February 27, 2014

ENGR110/210

Perspectives in Assistive Technology



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Professor Drew Nelson



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Questions?



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
 - <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

Miscellany

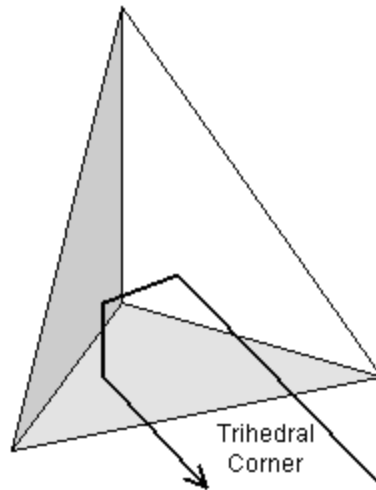
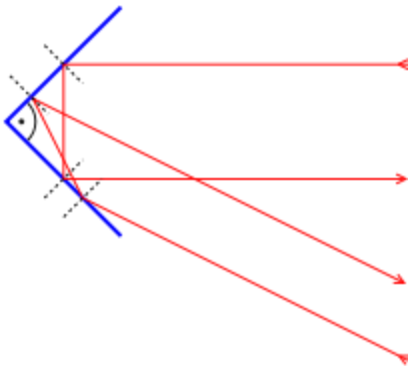


1. Project Home Stretch
 - Identify & assign tasks
 - Have a backup plan
2. “Meet with Dave” sign-up sheet
3. Final student team presentations will be 5 minutes
4. Include equations, calculations, analyses in final report
5. Weekly project progress – by email and/or meeting
 - Show me your sketches and 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



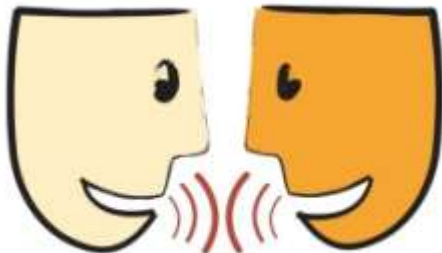
Short Break



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

