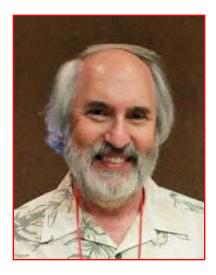
February 11, 2016

ENGR110/210 Perspectives in Assistive Technology



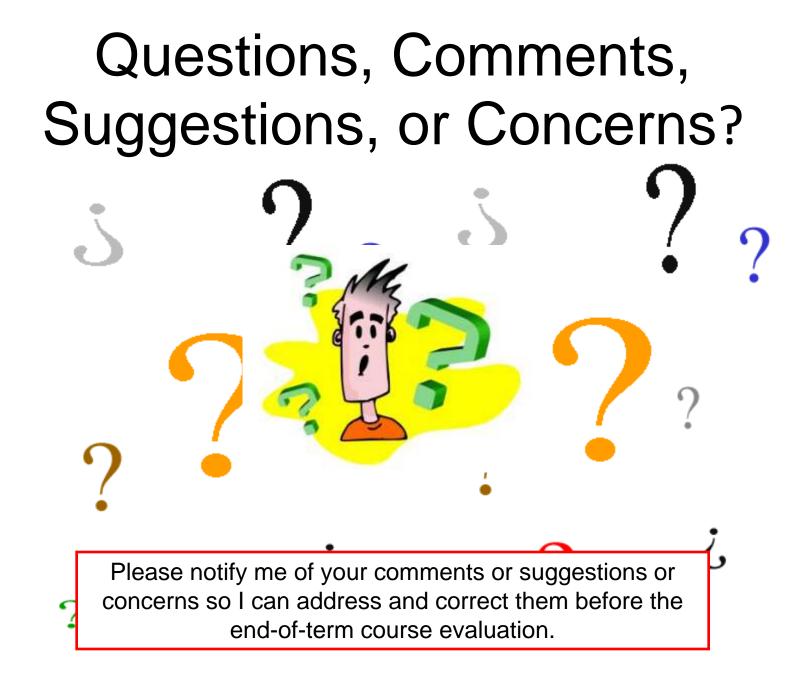
David L. Jaffe, MS

Instructor



NO CELL PHONES, TABLETS, LAPTOPS, OR SMART DEVICES PERMITTED VIOLATORS SUBJECT TO \$300 FINE

AN FRANCISCO RECEGATION & PARK DEPARTMENT



Attendance Sheet and Evaluation Form

For all students:

• Attendance Sheet - important to verify your attendance

For <u>everyone</u>:

• Mid-Term Student Team Project Presentations Evaluation Form

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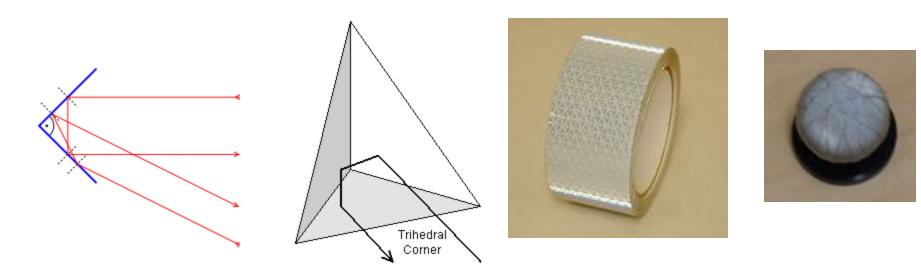
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Mid-Term Student Team Project Presentations Please fill out this form legibly with a pen

| Please fill out with a pen. | Thursday, February 11, 2016 | | | F | Please write legibly. | | | | |
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| Thank you for attending this ye have been addressing problen o research, brainstorm, design The teaching team would appr afforts. Please read the criteria egibly as your comments will t | ns experienced by n, fabricate, and t eciate your assist below and subm | y individuals with d est a prototype dev ance in judging the it your scores, sug | isabilities or ol vice or softwar quality of the gestions, and | der adults a e to meet an students' p | nd have been working identified problem. roject and presentatior | | | | |
| The student teams' present | tations should inc | lude the following | elements: | | | | | | |
| Background, problem s Interviews with project Identification and deter Research on existing s Brainstorm activities: d Description of top designment of top designment Current project activitie | Introduction to project and team members Background, problem statement, and magnitude of problem Interviews with project suggestors and users who would benefit from a solution Identification and determination of need Research on existing solutions and discussion of their limitations Brainstorm activities: description and visualization of design concepts considered and prototypes built Description of top designs: technical feasibility, engineering difficulty, estimated cost, user acceptance, functionality, performance, safety considerations, tradeoffs, etc Current project activities and status, prototypes built, and challenges encountered Plans for the remainder of the quarter | | | | | | | | |
| Judge the overall quality of | idge the overall quality of the presentation, design process, prototyped concepts in the following areas: | | | | | | | | |
| <u>Delivery</u> : (How the tean | Delivery: (How the team presented) - professionalism, enthusiasm, conviction, confidence, energy, volume | | | | | | | | |
| | Process: (How the team addressed the problem) - problem information, background research, design concepts brainstormed & prototyped, testing & evaluation | | | | | | | | |
| Presentation: (What the | Presentation: (What the team presented) - clarity, organization, and completeness of the information presented | | | | | | | | |
| | Design: (What the team produced) - creativity, originality, functionality of the design concept(s) and the likelihood it will meet the user's needs | | | | | | | | |
| Overall: (Overall score) | Overall: (Overall score) - combined impression of presentation and project | | | | | | | | |
| - Aller and a second se | | | | | | | | | |

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.



Miscellany



Mid-term Team Project Presentations and Reports

- 5 minutes (from Dave's laptop)
 4 minutes (from team's laptop)
- 2. Mid-term Team Reports due Tuesday, February 16th
- 3. Refer to Mid-term Team Assignment Handout for details <u>http://engr110.stanford.edu/assignment1.html</u>

Wireless Slide Presenter





English

Features

- 1. Laser pointer
- 2. Slide forward and back
- 3. Black screen (in some applications)
- 4. Launch slide show
- 5. Timer play/pause
- 6. Timer set

Tuesday, February 16th



Katherine Strausser, PhD

The Design and Control of Exoskeletons for Rehabilitation

Today



Mid-term Student Team Project Presentations

- 1. One More Mile Jogging and Running Aid for the Blind and Visually Impaired
- 2. Sachi-on-the-Ko iPhone and Me Project
- 3. Engineering Empathy Support System to Destigmatize Mental Health in the Black Community
- 4. Brace for Impact Knee Brace Project
- 5. Game Plan Improved Walker Project
- 6. Team Supreme Power for Veterans Project
- 7. Walkabout Improved Walker Project
- 8. Team Memori Designing Your Afterlife
- 9. Swift Engineering Aesthetic Brace Fairing Project
- 10. Magic Makers Magical Bridge Playground Project
- 11. Fairing Well Aesthetic Brace Fairing Project
- **12. Team Magicians** Magical Bridge Playground Project

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

