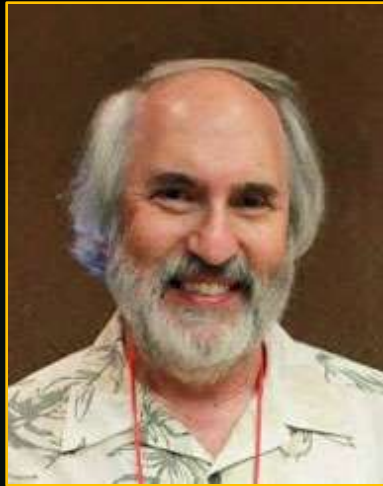


February 15, 2018
Mid-term Student Team Project Presentations



ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor



Questions?



Attendance Sheet, Evaluation Form, and Meet with Dave Signup



For all students:

- Attendance Sheet
- Meet with Dave signup - teams or individual students

For everyone:

- Class Session Evaluation Form



ENGR110210 Enrolled Student Attendance List
January 10, 2017

Enroll Number	Name of Enrolled Student	Enroll Number	Name of Enrolled Student
10001	Adams, John Alexander	10001	Adams, John Alexander
10002	Adams, John Alexander	10002	Adams, John Alexander
10003	Adams, John Alexander	10003	Adams, John Alexander
10004	Adams, John Alexander	10004	Adams, John Alexander
10005	Adams, John Alexander	10005	Adams, John Alexander
10006	Adams, John Alexander	10006	Adams, John Alexander
10007	Adams, John Alexander	10007	Adams, John Alexander
10008	Adams, John Alexander	10008	Adams, John Alexander
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10098	Adams, John Alexander	10098	Adams, John Alexander
10099	Adams, John Alexander	10099	Adams, John Alexander
10100	Adams, John Alexander	10100	Adams, John Alexander

Sign Up to Meet with Dave

Before class outside Thornton 110
After class in Thornton 110
Other times in Peterson Building, Room 113

Date & Time	Enter Team Name & Specify 15 minute time block
Wednesday - January 18 th Morning - 8:30am - 11:30am	
Afternoon - 1:00pm - 4:30pm	
Thursday - January 19 th Morning - 8:30am - 11:30am	
Afternoon - 1pm - 3:30pm	
Before class - 5:45pm - outside classroom	
After class - 8pm	
Friday - January 20 th Morning - 8:30am - 11:00am	

Perspectives in Assistive Technology - 2017
Class Session Evaluation Form

Lecture 01a: Course Overview & Introduction to Assistive Technology - David L. Jaffe, MS

Are you an enrolled student? - Yes - No

The purpose of the questionnaire is to help the teaching team assess today's class session. Please rate the following issues:

Speaker's overall presentation: speaking volume, understandability, ease of following concepts and arguments, clarity of explanations, quality of PowerPoint slides, use of supporting media (videos) and presentation aids (blackboard/whiteboard), stage presence, knowledge of topic, preparedness, presentation structure, organization, pace and management of allotted time, opportunity for questioning and class engagement, provided good examples, concepts, and demonstrations
 Presentation content: topic relevant, relevance to the broad scope of assistive technology, presentation of new information, appropriate level of detail and technical content, overall value of presented material

Submit your comments, questions, and suggestions, especially if you found portions of the lecture to be particularly good or bad. Supply your name if you want a response and use the back of this form if you need more room.

What one item did you hear, see, or learn that was new, surprising, interesting, or provided a new perspective?

How much did you learn from today's lecture? - A great deal - a bit - a moderate amount - a little - nothing

What is your stress level today? - low - medium - high

How is your stress level trending? - downward - steady - upward

Mid-term Presentation Scoring Sheet



Mid-Term Student Team Project Presentations ENGR110/210: Perspectives in Assistive Technology

Please fill out with a pen.

Thursday, February 15, 2018

Please write legibly.

I am: - a student, - faculty member, - community member, - other: _____

Thank you for attending this year's mid-term student team project presentations for ENGR110/210. Student teams have been addressing problems experienced by individuals with disabilities or older adults and have been working to research, brainstorm, design, fabricate, and test a prototype device or software to meet an identified problem. The teaching team would appreciate your assistance in judging the quality of the students' project and presentation efforts. Please read the criteria below and submit your scores, suggestions, and comments. Use a pen and print legibly as your comments will be disseminated to the project teams.

- The student teams' presentations should include the following elements:

0. Introduction to project and team members
1. Background, problem statement, and magnitude of problem
2. Interviews with project suggestors and users who would benefit from a solution
3. Identification and determination of need
4. Research on existing solutions and discussion of their limitations
5. Brainstorm activities: description and visualization of design concepts considered and prototypes built
6. Description of top designs: technical feasibility, engineering difficulty, estimated cost, user acceptance, functionality, performance, safety considerations, tradeoffs, etc
7. Current project activities and status, prototypes built, and challenges encountered
8. Plans for the remainder of the quarter

- Judge the overall quality of the presentation, design process, prototyped concepts in the following areas:

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 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) - combined impression of presentation and project

- Please use these metrics: ⑤ = Excellent (Top 10%), ④ = Very Good (Top 25%), ③ = Good (Middle), ② = Fair (Bottom 25%), ① = Poor (Bottom 10%)

- Team Presentation order:

1. **Uno Dos Trays** - Fernanda's Wheelchair Work Tray
2. **The Three Cookies** - Magical Bridge Playground 2
3. **The First Team with No Name** - Hybrid Body-Powered Harness
4. **Team L.L. Bean, LLC** - Better Leg Brace
5. **The Trolls** - Magical Bridge Playground 1
6. **The Fifth Team with No Name** - Wheelchair Camber Project
7. **Wheelchair Workers** - Projects for Abby's Wheelchair
8. **Team EmPower** - At Home Monitor
9. **Danny's Dudes** - Creative Expression for Danny

- Please provide your comments and suggestions about the course, this mid-term presentation, and the overall evaluation process. Thank you for your participation!

Everyone is welcome to evaluate the teams' presentations

Do not score your team's presentation

Please use a pen that doesn't bleed through the paper and has a legible font

Field Trip

Field Trip!



- ▶ Field trip:
 - ▶ Thursday, February 22nd - VA Medical Center - Palo Alto
 - ▶ Students and community member car pool drivers only



Thursday, February 22nd



Field Trip to VA Palo Alto Health Care System

Graham H. Creasey, MD, FRCSEd
Spinal Cord Injury Service



Car Pool to VA - Drivers' Signup Sheet



Car Pool Drivers' Signup Sheet - 2018

Field trip: Thursday, February 22nd - VA Medical Center - Palo Alto

Students and community members: Please indicate your availability to drive students to these field trips. Unless otherwise arranged, the departure point from Stanford is the Thornton Center.

Driver's name: Dave Jaffe
Cell phone: 650/892-4464
Car model & color & number of passengers: Black Acura Integra - 2

Driver's name: Annabel Imbrie-Moore
Cell phone: _____
Car model, color, and number of passengers: Blue Suzuki SX4 - 4
Available for early return @ 5:40: - Yes

Driver's name: _____
Cell phone: _____
Car model, color, and number of passengers: _____
Available for early return @ 5:40: - Yes

Driver's name: _____
Cell phone: _____
Car model, color, and number of passengers: _____
Available for early return @ 5:40: - Yes

Students and community members: Please indicate your availability to drive students to these field trips. Unless otherwise arranged, the departure point from Stanford is the Thornton Center.

The field trip to VA is not open to community members except those who can car pool students

Tuesday, February 20th



Motion & Gait Analysis

Jessica Rose, PhD

Motion & Gait Analysis Laboratory



Tuesday, February 20th



Mid-term Reports Due

Read Instructions and Tips:

- ▶ [Mid-term Assignment Webpage](#)
- ▶ [Suggested section titles](#)
- ▶ [Report writing tips for each section](#)
 - ▶ [Scanning sketches](#)
 - ▶ [Adding captions](#)
 - ▶ Adding bibliographic references



Today



Mid-term Student Team Project Presentations

1. **Uno Dos Trays** - Fernanda's Wheelchair Work Tray
2. **The Three Cookies** - Magical Bridge Playground 2
3. **Team Harnessing Power** - Hybrid Body-Powered Harness
4. **Team L.L. Bean, LLC** - Better Leg Brace
5. **The Trolls** - Magical Bridge Playground 1
6. **The Fifth Team with No Name** - Wheelchair Camber Project
7. **Wheelchair Workers** - Projects for Abby's Wheelchair
8. **Team EmPower** - At Home Monitor
9. **Danny's Dudes** - Creative Expression for Danny

Team Project Presentations

- ▶ Mid-term Team Project Presentations
 - ▶ 7 minute presentations:
 - ▶ Tell the entire story
 - ▶ Be concise
 - ▶ Employ descriptive photos
 - ▶ Avoid every last detail
 - ▶ Show your prototypes as slide images
 - ▶ Practice for timing, where to stand, etc
 - ▶ Use slide presenter as laser pointer and to advance slides
 - ▶ Mid-term Team Project Reports due Tue, Feb 20th



Team Project Presentations



Student project teams have selected a challenge or problem experienced by individuals with disabilities or older adults and have been working to understand, research, brainstorm, design, fabricate, and test prototype devices or software to meet an identified need. Each team will now present their mid-term project progress.

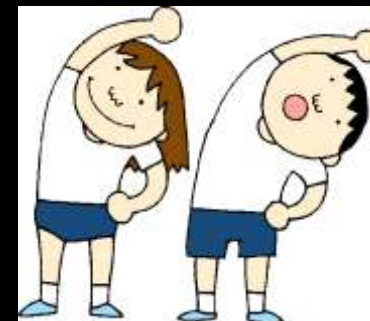
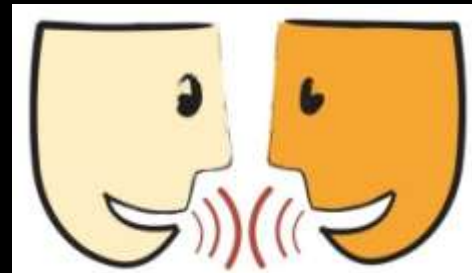
Sorry, there will not be time for questions.

Questions?



Break Activities

- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message, web-surf, email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Adjourn



class dismissed



Laptops Galore



Time for Questions?



End the class

