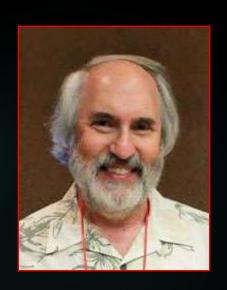


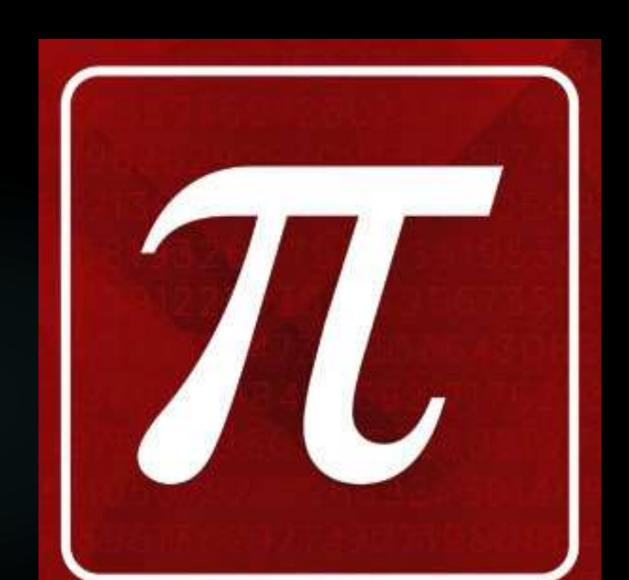
ENGR110/210 Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor



Happy Pi Day!





Final Questions, Comments, Suggestions, or Concerns?





Please notify me of your comments or suggestions or concerns so I can address and correct them before the end-of-term course evaluation.



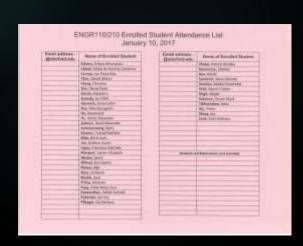
Attendance Sheet, Evaluation Form, and Meet with Dave Signup

For all students:

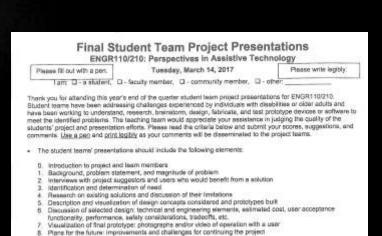
- Attendance Sheet
- Meet with Dave signup Teams or individual students

For everyone:

Team Project Presentations Evaluation Form



After class i	tside Thornton 110 n Thornton 110 son Building, Room 113
Date & Time	Enter Team Name & Specify 15 valuate time time
Wednesday - January 18 th	Marie Control of the
Myrrang = 8:3Gen - 12:3Gen	
Afternusy - 1.00pm - 4.50pm	
Thursday - January 19 th	
Aftering - 8: 80am - 11: 80am	
Aharoos – Ipn – 2 Shri	
Refore class - 8-85pm - outside classroom After class - 6am	
	- I
Artistage instairs 20°	











End-of-term Student Team Project Presentations Please fill out this form legibly with a pen



Don't evaluate your own team

	Please fill out with a pen.	Tue	sday, March 14,	2017		Please write legibly.
L	Tam: U - a student,	☐ - faculty memb	er, 🖸 - communi	ty member, i	I - other: _	
in the	enk you for attending this ye ucled teams have been add- we been working to understa- est the identified problems. I idents' project and presental mments. Use a pan and prin	essing challenge nd, research, bra he teaching team ion efforts. Pleas	s experienced by it instorm, design, fa i would appreciate e read the criteria t	ndividuals with bricate, and to your assistant palow and sub	disabilities set prototype ce in judging mit your sco	or older adults and devices or software to the quality of the ares, suggestions, and
	The student teams' present	ations should inc	lude the following o	elements:		
	0. Introduction to project a	nd team member	s			
	1. Background, problem a	tetement, and ma	gnitude of problem		econocció	
	Interviews with project of Identification and delete		ers who would be	nest from a so	nution	
	 Identification and determ Research on existing st 		asion of their limits	dions.		
	5. Description and visualiz				es built	
	fi. Discussion of selected				sted cost, u	ser acceptance
	functionality, performan	ce, safety considi	erations, tradeoffs,	etc.	t a cone	
	7. Visualization of final pro 8. Plans for the future: imp	totype: photograp	ons andvor vided di Hallaropes for conti	operation will	n a user	
	Judge the overall quality of the presentation, design process, and fabricated prototypes in the following areas:					
	Delivery: (How the team presented) - professionalism, enthusiasm, conviction, confidence, energy, volume					
	<u>Process</u> : (How the team addressed the problem) - problem information; background research; and design concepts brainstormed, fabricated, tested, and analyzed					
	Presentation: (What the team presented) - clarity, organization, and completeness of the information presented					
	Design: (What the team tabricated) - creativity, originality, functionality of the design concept(s), and the likelihood they will meet the user's needs (Please note that the devices are not meant to be ready for market)					
	Overali: (Overali score) -	combined impres	sion of presentation	and project		
	Please use these metrics:	S = Excellent Top 10%	© = Very Good Top 25%	3 = Good	2 = Fair Botom 25%	① = Poor Bother 10%
•	Team Presentation order:					
	Renger Stick - Plokup Sticks Project All of the Lights - Magical Bridge Playground Project Nearpod X - Life Skills Lesson RefleX - Orthotic Rebound Shock Project Rebush - Art Tools Project					
	Le Joy Masters - Magic Plug & Play - Plugs for Sock It to Met - Add a-	sel Bridge Playgro Molly Project sock Project				
	9. Dancing Our Way to H					
٠	Students - provide honest co					
	Please provide your common	te and supposition	a about the course	this mid-term	presentation	and the overall

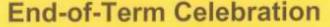


Use a pen that doesn't bleed through the paper & print legibly

Food and Drink Signup

Everyone is welcome to participate in Thursday's End-of-Term Celebration





Food and Drink Signup Thursday, March 16th

Choose one burrito and one drink item

Burrito								
Veggle	Chicken	Beef						
	0 00000 00000							

Drink								
Regular Coke	Diet Coke	Water						

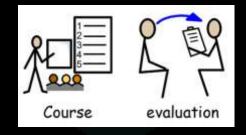


Course Evaluations



- 1. Dave's in-class evaluation on Thursday
- 2. VPTL's evaluation now available on Axess

VPTL encourages you to complete the course and instructor evaluations and values your opinions







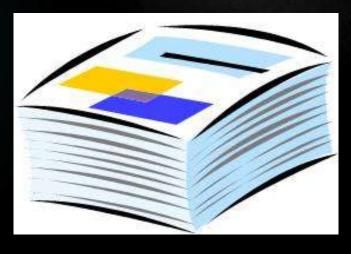
Final Report



- ▶ Cover your entire quarter's work
- Expand on material from mid-term report
- Consider mid-term report mark-ups
- Due week of March 20th





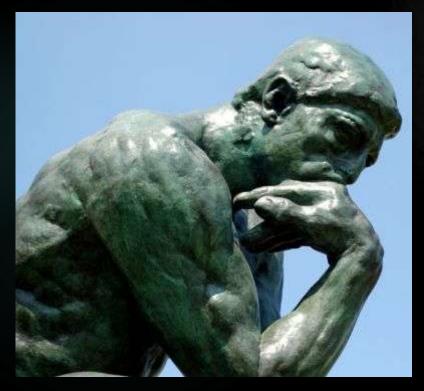


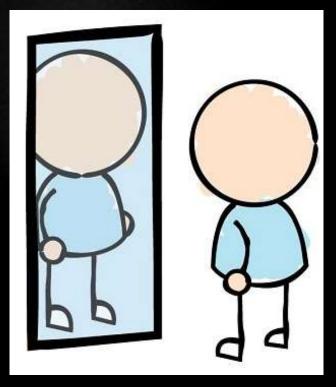


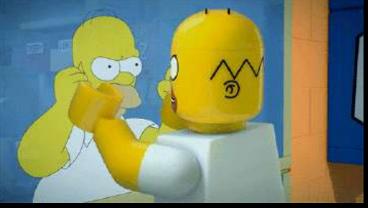
Individual Reflection



- ▶ How you felt about your course, project, team experience
- ▶ Due week of March 20th









Project Reimbursements

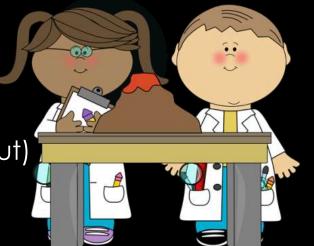


- Save all receipts
- ▶ One team member will be reimbursed for each team
- Mileage is not reimbursable
- Detailed instructions will be emailed



Project Demonstrations - Thursday

- Bring all prototypes to class
- ▶ Meet in classroom to fill out a course evaluation form
- ► Gibbons Grove (if not raining) tables and picnic benches
- ▶ No posters or handouts informal "trade show" presentations
- Demonstrate prototype's functionality (make sure I check it out)
- Check out other teams' projects
- Burritos & drinks
- Community members attending
- ▶ Invite project suggestors, users, friends who contributed to your project's success
- Bring laptop to show additional videos and images of your process (charge laptop, no AC available)



Project Considerations

- Your prototype should be functional, but not necessarily ready for market
- Contingency plans if things don't work out
- Add a team or Stanford logo
- Never apologize for what you did or what you were not able to achieve
- ► Mention future plans
- Remember "Everything is a prototype"





Today – End-of-term Project Presentations



- ▶ Thank you for attending this year's final student team project presentations for ENGR110/210.
- Student teams have been addressing challenges experienced by individuals with disabilities or older adults
- ▶ They have been working to understand, research, brainstorm, design, fabricate, and test prototype devices or software to meet the identified problem.
- ▶ The teaching team would appreciate your assistance in judging the quality of the students' project efforts.
- ▶ Please note that this was a seven-week team effort and the prototype is not intended to represent a commercial offering.
- ▶ Read the criteria on the Scoring Sheet and submit your scores, suggestions, and comments.
- ▶ Students: Do not evaluate your own team
- ▶ <u>Use a pen</u> and <u>print legibly</u> as your comments will be disseminated to the project teams.

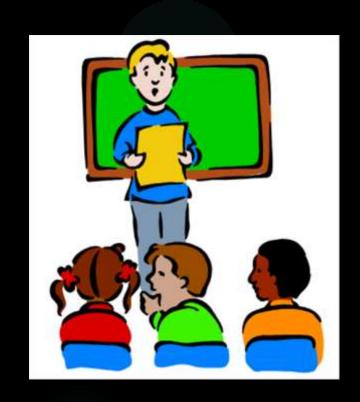


Presentation Order



End-of-term Student Team Project Presentations

- 1. Ranger Stick Pickup Sticks Project
- 2. All of the Lights Magical Bridge Playground Project
- 3. Nearpod X Life Skills Project
- 4. RefleX Orthotic Rebound Shock Project
- 5. Robotikids Art Tools Project
- 6. Le Joy Masters Magical Bridge Playground Project
- 7. Plug & Play Plugs for Molly Project
- 8. Sock It to Me! Add-a-sock Project
- 9. Dancing Our Way to Health Dance Therapy Project



Wireless Slide Presenter





Short Break





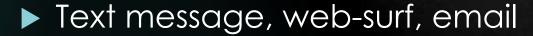
Break Activities







- Grab a cookie
- Stand up and stretch
- ▶ Take a bio-break



- ▶ Talk with classmates
- Reflect on what was presented in class











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Questions?





Adjourn



class dismissed



Laptops Galore



