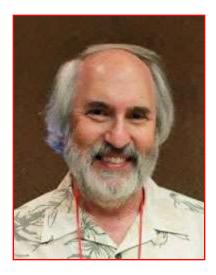
March 8, 2016

ENGR110/210 Perspectives in Assistive Technology



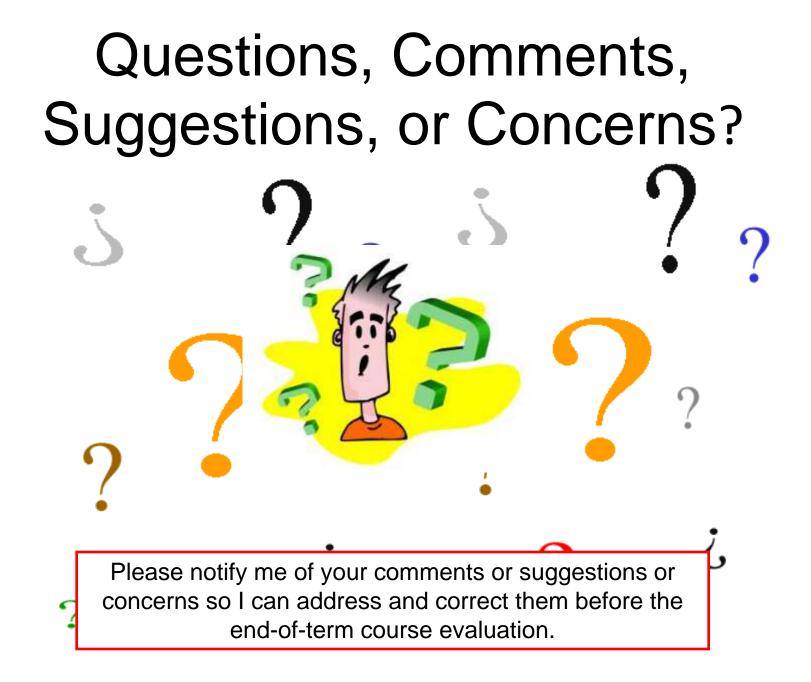
David L. Jaffe, MS

Instructor



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

AN FRANCISCO RECEGATION & PARK DEPARTMENT



Today's Handouts, Signup Sheets, and Fillout Forms

For all students:

• Attendance Sheet - important to verify your attendance

For everyone:

• Scoring sheet for Final Presentations

Name of Environment Disaterit	Ernall addresse - Genantized with	Name of Enrolled Disatlett	Email address Waterford add
Agarona Apro-		Famore 24 Transa	
Balance of the		Banna Corres	
Incompany, Name Transa		Research Charles Street	
Sign Facil page		Name Tom Com	
Caratinal Vice No.dowskast Months.		Kountriet, Hartle	-
Cares South Michael		Reserved, Carport	
Carbonna Line Pain		Brees Jacob Disper-	
Carton Star Taxante		Names and Address Address Names	
Caugh Strein Versilian Deserve		Newspiriture Stud	
Che Tran 1		Nati, Parlas Thera	
College Rooms Concerns		WALCH ALS	
Company's Diff. (Oracle)		Wass. Anna Da	
Basework, Owinights Shind		Wattern Milli Thinky Milane	
Tax Turnu			
Bully, Autors high			
These Time Distance		The Contract of the Contract of the	
Renness Accel Ren		Other should not have descent	
Barbs, Larbs 84-1			
Raymon, New Yorks			
Malmongs, mana Solida			
January Name Anna			
Jacobson Station			
diversely, by got 16, provid			
Ruberson, Next Nation			
Landson, Alle Press			
Laffant, Not Forms			
Lagerth, Manning-Spece			
Stearing Vours Down			
Frank, Sugar, Sugar,			

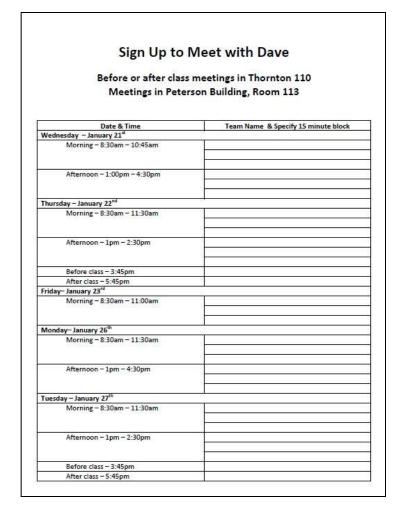
			eam Proje			
ĩ	Please this with a pen	Tue	eday, March 10.	2016		Plente sinte legitity
ŝ	1 ann. 🖬 - a idudiert,	Q - faculty mini	ber, 🖬 economie	lymenter, C	a other	
加加市町	unik you far attending this yo verbeen addressing problem menanch, brannstrem, dooge retainteng team small App forte. Please near the retem phy as your commands will	nt experienced by a fabricate and to estate your assail a fabrics and subm	y individually with the ent is prototype devi- ance in justiging the R your accentin, long	abilities or old secore software saulity of the postario, and o	ter adults a to meet an itsatents' a	nd have been working intentified problem reject and proventation
	The station teams' present	labies should be	tals the following o	derner fis		
	Identication to project Identification Indentification Interview with project Identification and defer Besenanch on excelling s Besenanch on excelling Besenanch on excelling Current project achief Pams for the remainde	tabernerit, and my suggesters and or mination of need obtions and need escription and we pre technical fea- nce softery consid- te and status, pro-	agnitude of problem serv who scied be univer of their limits univer of their limits district of design fability, engineering testinget, involvents	seld from a sol concepts care difficulty, eater etc.	sciever) and nated cost	
٠	Judge the overall wallity of	The presentation:	design process, a	nd Obricated p	entstypen i	t the following enset:
	Delivery if tow the team	n prevented) - pri	dessimation, andb	aitem, canvid	tion, confe	ance, energy, volume
	Elozation, Orlow the heater converges be all observed.			constant, 3 a daj	poundation	wich, and design
	Elementation: (What the	lean presented.	CARTY, OR DATE 2010	and complete	ways of the	maniaturepresented
	Conservation (What the loves Relificant/New will meet	Nersaling) - creating the user's releases	liefy, originality, fairs	tonelly of the	densities canno	epta: antre
	Qveral (Overal score)	- cantorned regime	eaver of preservation	antipiopol.		
•	Please use these metters	C = Excellent Top 125	③ ⇒ veyGood heize	C = Great Marte	(D = Filt Testin DN	(D = Fair Palie 104



Signup to Meet with Dave

- 15 minutes
- 1 spot before class
- 1 spot after class
- Make up missed lectures





Sign-up for Burritos & Drinks

Food	f-Term Celeb and Drink Sig Irsday, March	gnup
Cho	ose one burrito and one drink	item :
	Burrito	
Veggie	Chicken	Beef
	Drink	
Regular Coke	Diet Coke	Water

For both students and community members



Thursday, March 10th Course Evaluation, Project Demonstrations, and Celebration





- Meet in classroom to fill out course evaluation forms
- Set up projects on tables in Gibbons Grove
- No posters!
- No handouts!



- Check out other teams' projects
- Food = burritos and drinks
- Invite people who contributed to your success – be sure to thank them too!



Project Considerations

- Your prototype should be functional, but not necessarily ready for commercialization
- 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"

Final Report and Individual Reflection

Ą	REPORT	h
		I
		I
Ļ		

• Due Monday, March 14th @ 5pm



 Request an extension if you need a few more days to produce excellent documents



• Email Word or pdf files

Project Reimbursements





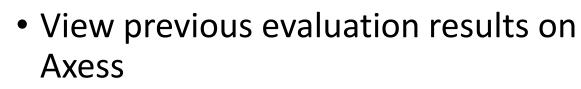
- Save all receipts
- One team member will be reimbursed for each team
- Mileage is not reimbursable
- Detailed instructions will be emailed



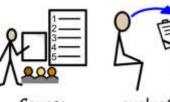
Registrar's Online Course Evaluation



- Registrar encourages students to complete the course and instructor evaluations and values students' opinions.
- Online course evaluations available on Axess



- Grades available early upon completion
- Questions?



evaluation



Today

Student Team Final 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.
- <u>Use a pen</u> and <u>print legibly</u> as your comments will be disseminated to the project teams.

Final Student Team Project Presentations

Everyone - Please fill out evaluation form legibly with a pen

Ple	ease fill out with a pen.	Tue	sday, March 10,	2016		Please write legibly.
	l am: 🛛 - a student,	- faculty members	per, 🛛 - communi	y member,	- other:	s
ave l o rese forte efforts egibly	k you for attending this ye been addressing problem earch, brainstorm, <u>design</u> eaching team would appress. Please read the criteria y as your comments will be as your comments will be	s experienced by a, fabricate, and te eciate your assista below and submi be disseminated to	individuals with dis st a prototype devi ince in judging the t your scores, sugg the project teams	abilities or old ce or software quality of the estions, and o	ter adults ar to meet an students' pr	nd have been working identified problem. oject and presentation
Tŀ	ne student teams' present	ations should incl	ude the following e	lements:		
0.	Introduction to project a	nd team member	S			
	Background, problem s					
	Interviews with project s Identification and deterr		ers who would ber	efit from a so	lution	
	Research on existing so		ssion of their limita	tions		
	Brainstorm activities: de				sidered and	prototypes built
	Description of top desig functionality, performan	ns: technical feas	ibility, engineering	difficulty, estir		
	Current project activities Plans for the remainder		otypes built, and ch	allenges enco	ountered	
Ju	udge the overall quality of	the presentation,	design process, ar	d fabricated	prototypes in	the following areas:
	Delivery: (How the tean	n presented) - pro	fessionalism, enthu	siasm, convid	ction, confid	ence, energy, volume
	Process: (How the team concepts brainstormed,			ormation; back	ground resea	arch; and design
	Presentation: (What the	team presented) -	clarity, organization	and complete	eness of the i	nformation presented
	Design: (What the team likelihood they will meet		vity, originality, func	tionality of the	design conc	ept(s), and the
		Care of the second	aian af progentation	and project		
	Overall: (Overall score) -	- combined impres	sion of presentation	and project		



Today

Final Student Team Project Presentations

Order of Presentation

- 1. Team Magicians Magical Bridge Playground Project
- 2. Fairing Well Aesthetic Brace Fairing Project
- 3. Magic Makers Magical Bridge Playground Project
- 4. Swift Engineering Aesthetic Brace Fairing Project
- 5. Team Memori Designing Your Afterlife
- 6. Walkabout Improved Walker Project

Short Break

- 7. Team Supreme Power for Veterans Project
- 8. Game Plan Improved Walker Project
- 9. Brace for Impact Knee Brace Project
- 10. Engineering Empathy Support System to Destigmatize Mental Health in the Black Community
- 11. Sachi-on-the-Ko iPhone and Me Project
- 12. One More Mile Jogging and Running Aid for the Blind and Visually Impaired

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

