

February 3, 2015

ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

Questions or Comments?



Student Passenger Signup Sheet for VA Field Trip

Tuesday, February 10, 2015

Passenger Signup Sheet			
VA Palo Alto Health Care System			
Tuesday, February 10 th			
Driver's name, cell & email:	Dave Jaffe	650/892-4464	davejaffe@stanford.edu
Car make, model, color:	Black Acura Integra		
Pickup time and place:	Thornton 110 - departs 4:15pm		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	
Driver's name, cell & email:	James Bui	951/834-8170	jamesbui@stanford.edu
Car make, model, color:	Honda Fit		
Pickup time and place:	Thornton 110 - departs 4:15pm		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	
	3. Name: _____	Cell: _____	
Driver's name, cell & email:	John Van Peborgh	650/319-5659	jmvp00@aol.com
Car make, model, color:	Audi - Beige		
Pickup time and place:	Thornton 110 - departs 4:15pm		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	
	3. Name: _____	Cell: _____	
Driver's name, cell & email:	Tom Grojean	651/226-4871	tgrojean@stanford.edu
Car make, model, color:	Mercedes C300		
Pickup time and place:	Thornton 110 - departs 4:15pm		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	
	3. Name: _____	Cell: _____	
Driver's name, cell & email:	Dan Berschinski	770/842-7778	danber@stanford.edu
Car make, model, color:	Red Audi A4		
Pickup time and place:	Thornton 110 - departs 4:15pm		
Passengers:	1. Name: _____	Cell: _____	
	2. Name: _____	Cell: _____	
	3. Name: _____	Cell: _____	
	4. Name: _____	Cell: _____	

Let me know if you are a solo driver so I can send you a map.

Signup to Meet with Dave

- 15-20 minutes typically
- 1 spot before class
- 1 spot after class

- Report progress
 - Team and individual projects
- Make up missed lectures!

Sign Up to Meet with Dave
Before or after class meetings in Thornton 110
Meetings in Peterson Building, Room 113

Date & Time	Team Name & Specify 15 minute block
Wednesday – January 21st	
Morning – 8:30am – 10:45am	
Afternoon – 1:00pm – 4:30pm	
Thursday – January 22nd	
Morning – 8:30am – 11:30am	
Afternoon – 1pm – 2:30pm	
Before class – 3:45pm	
After class – 5:45pm	
Friday – January 23rd	
Morning – 8:30am – 11:00am	
Monday – January 26th	
Morning – 8:30am – 11:30am	
Afternoon – 1pm – 4:30pm	
Tuesday – January 27th	
Morning – 8:30am – 11:30am	
Afternoon – 1pm – 2:30pm	
Before class – 3:45pm	
After class – 5:45pm	

Work with Diligence

- Personal & Team Initiative
- Meet with your team
- Meet with, interview project suggestors
- Research existing products, prototypes
- Brainstorm design concepts
- Prototype, test, analyze, repeat
- Document your efforts
- Report your activities
- Ask Dave, Project Resource People, PRL TAs

Don't wait
for others



Miscellany



Mid-term Team Project Presentations and Reports

1. Nine days to Mid-term Team Project Presentations
Thursday, February 12th
2. 8 minutes and 2 questions per team
3. Mid-term Team Reports
Tuesday, February 17th
4. Refer to Mid-term Team Assignment Handout for details
<http://engr110.stanford.edu/assignment1.html>

Perspectives So Far

Week 1:

- Instructor, rehab researcher – course overview & intro to assistive technology
- Individuals with a disability or older adults – pitching identified problems

Week 2:

- User Experience Designer – interview techniques for problem understanding
- Occupational Therapist – fitting the technology to the user

Week 3:

- Students with disabilities – personal perspectives
- Software Engineer – design and commercialization of an exoskeleton
- Tester – user perspective

Week 4:

- Mother of a daughter with developmental disabilities – playground access
- Engineer & Wheelchair User – access to sports, recreation, access assessment

Week 5:

- Professor & Researcher – evolution of stroke therapy robots
- Instructor – current developments in assistive robotics
- Prosthetist – challenges in designing prosthetic devices

Thursday, February 5th



Gary M. Berke, MS, CP, FAAOP

Issues of Human Interface Design

Today, Feb 3rd



Allison M. Okamura, PhD & David L. Jaffe, MS

Rehabilitation and Assistive Robotics



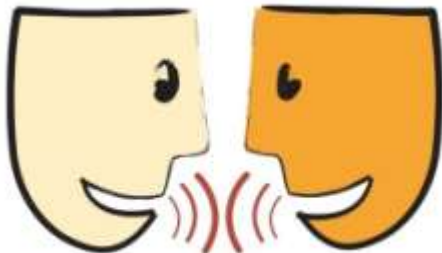
Short Break



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



Class
Dismissed!

