January 23, 2014

ENGR110/210 Perspectives in Assistive Technology



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Questions?



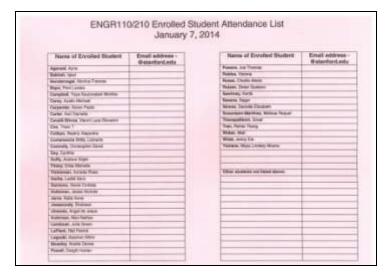
Today's Handouts, Signup Sheets, and Fillout Forms

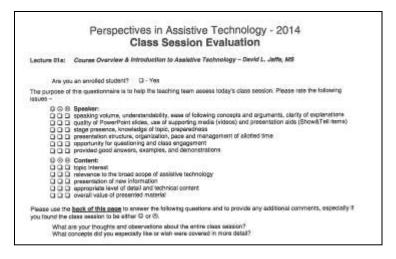
For all students:

 Attendance List - important to verify your attendance at every class session

For all students and community members:

Class Session Evaluation Form





Communication Matters: The Art and Science of Talking With Patients



Framework for the Medical Interview

3 functions:

Building the relationship



Assessing the patient's problems



Managing the patient's problems



1. Build the Relationship

- "PEARLS"
- Partnership
- Empathy
- Apology
- Respect
- Legitimization
- Support



Coulehan et al, Ann Intern Med 2001;**135:**221-7; Suchman et al, JAMA 1997;**277:**678-682.

Photo of the Day



Livescribe Smartpen





Adapted Race Car



Adapted Race Car



Adapted Race Car



Wheelchair-mounted Robotic Arm

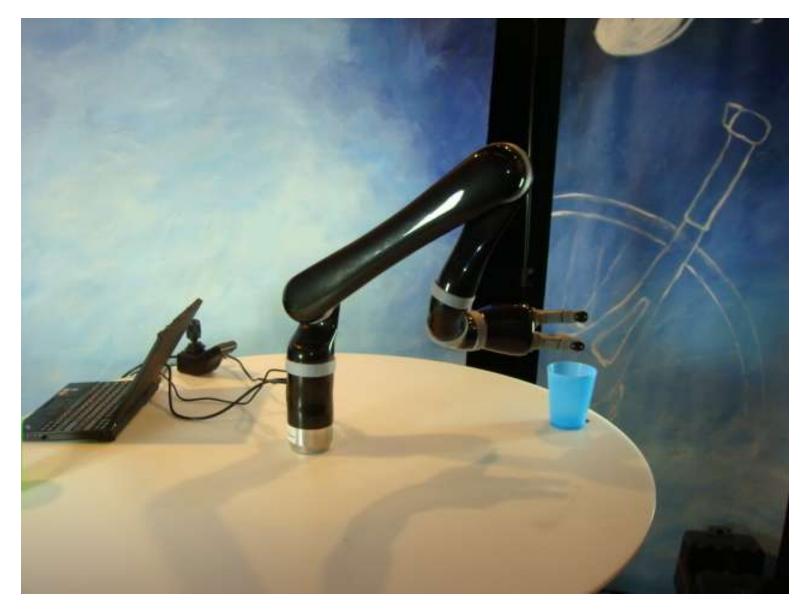


How much do you think it costs?

Wheelchair-mounted Robotic Arm



Wheelchair-mounted Robotic Arm



Miscellany



- 1. Make up missed lectures within one week
- Slides posted on course lecture website as well as recorded audio, weblinks, photos, and video
- 3. Weekly project progress by email or meeting
 - Show me your prototypes
- 4. Community members can help with your projects
- 5. Interacting with and writing about people with disabilities
 - http://www.stanford.edu/class/engr110/links.html
 - Comparable with doctor / patient relationship
- 6. Anonymous Suggestion Box
 - http://engr110.stanford.edu/suggestion.html
- 7. Project budget

Tuesday, January 28th

International Perspectives



Rights of Persons with Disabilities in Israel:
 Advancements and Hurdles - Gilat Juli Bachar



 Bookshare International: Making Reading Accessible to All - Kristina Pappas, BA, MBA



 Assistive Technology: When East Meets West -Proadpran P. Punyabukkana, PhD

Today



Katherine Strausser, PhD

The Design and Control of Exoskeletons for Rehabilitation

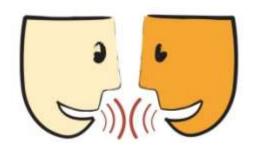
Short Break





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











Short Break



Today



Katherine Strausser, PhD

The Design and Control of Exoskeletons for Rehabilitation



class dismissed

Miscellany



- Are these considered disabilities?
 - Stress, depression, pyromania, kleptomania, nymphomania, phobias