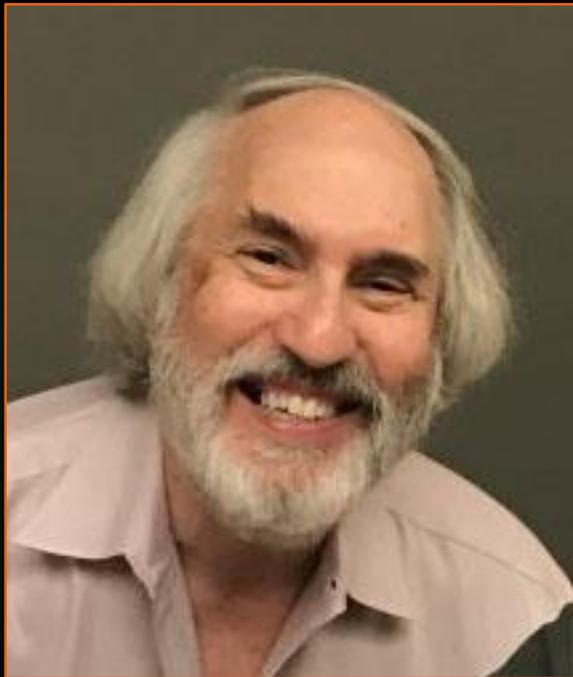


February 15, 2022  
*VA Palo Alto Health Care System*



# ENGR110/210

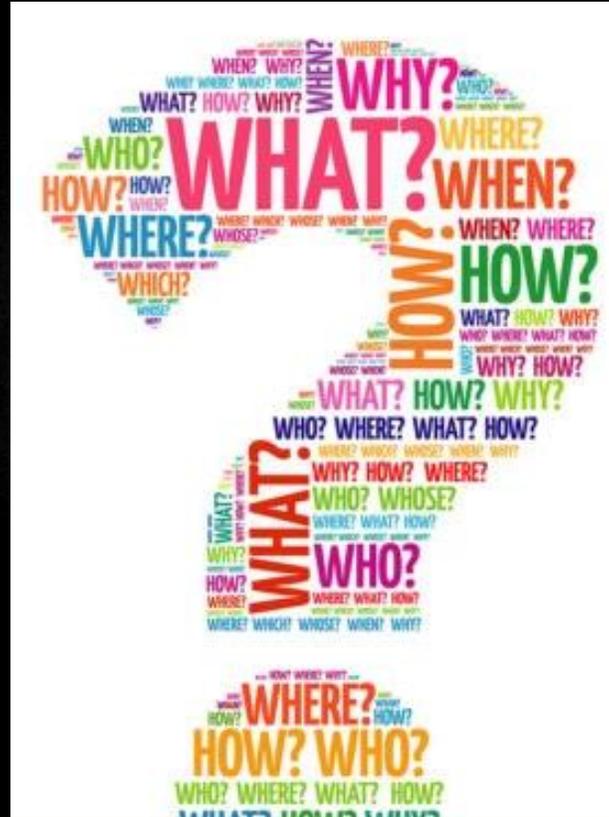
## Perspectives in Assistive Technology



David L. Jaffe, MS  
Instructor

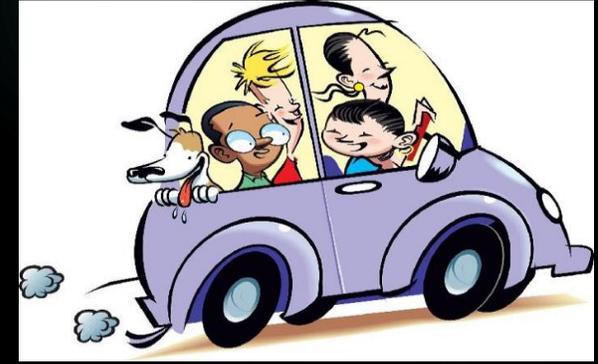
16  
Years

# Questions, Comments, Suggestions, or Concerns?



Please notify me of your comments, suggestions, and concerns so I can explain / address / correct them.

# Upcoming class sessions



- ▶ **Virtual Assistive Technology Faire** (by Zoom)
  - Thu, Feb 17<sup>th</sup>
- ▶ **The Design and Control of Exoskeletons for Rehabilitation**
  - Katherine Strausser, PhD
  - Tue, Feb 22<sup>nd</sup>
- ▶ **Designing Exoskeletons and Prosthetic Limbs that Enhance Human Performance**
  - Steven H. Collins, PhD
  - Thu, Feb 24<sup>th</sup>



# Reminder - Work with Diligence



- ▶ Time is your most precious resource
- ▶ 3 weeks until End-of-term Project Presentations - Tue, Mar 8<sup>th</sup>
- ▶ List remaining activities and assign responsibilities



# Students working on Team Projects

## Mid-term Report



- ▶ **Due TODAY!**
- ▶ **Goal: short, concise, well-written, and highly readable report with few grammatical and spelling errors.**
- ▶ Mid-term report - 10 to 15 pages of narrative - text and images
- ▶ Suggested format different for fabrication vs non-fabrication projects
- ▶ Include sketches and photos
- ▶ Report Writing Tips documents **suggested** report features



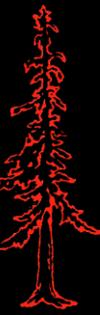
# Mid-term Reports Due Today



- ▶ Please note that a **longer** report is not necessarily better. I would much rather read a **shorter, concise, and well-written** report than a longer, poorly written report with grammatical and spelling errors.
- ▶ If your team needs additional time to complete, proofread, and refine your report, you can **request a one-day extension**.

# Students working on Team Projects

## Project Activities



- ▶ Continue to work with project suggestor
- ▶ Fabricate, test, analyze, redesign, refine prototypes
- ▶ Submit progress reports, schedule meetings with Bennett or me

# Students working on Individual Projects



- ▶ **Continue to meet with me or Bennett to discuss project progress**
- ▶ **Send progress reports**
- ▶ Contact me if you have questions about your project direction
- ▶ Project presentations:
  - ▶ Week 9
  - ▶ Outside of class
  - ▶ By Zoom or in-person

# Mid-term Evaluation Comments



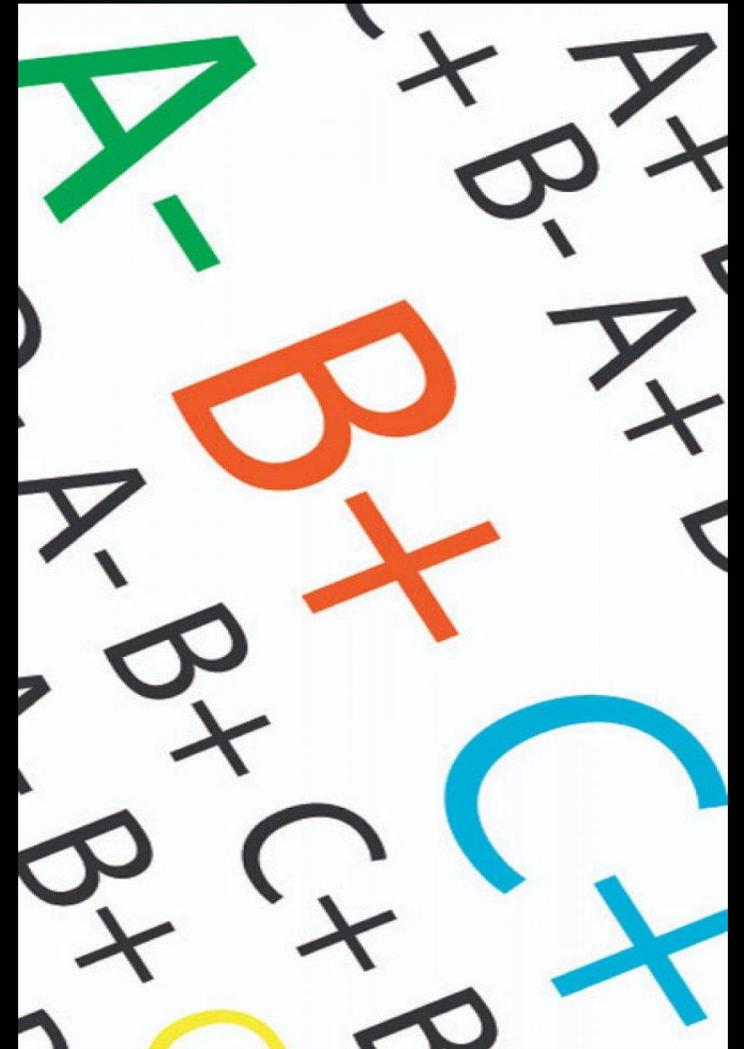
- ▶ Good comments, bad comments, how to evaluate?
- ▶ Conflicting comments on content, presentation, or process
- ▶ There may be just one comment on an issue, either positive or negative
- ▶ Everyone has a different perspective, opinion, and level of understanding
- ▶ Not everyone is “right” due to emphasis, misunderstandings, bias, and subjectivity
- ▶ Some evaluators may pick up on a specific detail, not on your major point, so emphasize major points on a separate slide
- ▶ **Make you own honest judgment on comments that could be helpful**
- ▶ Same goes for your mid-term report markup
- ▶ What do the scores mean with respect to your grade?

I can't do what ten  
people tell me to do –  
Otis Redding

# Team Projects Grading

<b>Deliverable</b>	<b>%</b>
Mid-term Presentation	10
Mid-term Report	10
Prototype Design & Functionality	20
End-of-term Report	20
End-of-term Presentation	20
Individual Reflection	10
Participation	10

Participation includes attending class sessions, meeting with instructor, actively listening, posing questions to the guest speakers and the course instructor, engaging in class discussions, verbalizing thoughts and analyses, and submitting Weekly Project Reports or meeting with the course instructor.



# Thursday, February 17th



## *Virtual Assistive Technology Faire*

One-Handed Cooking

Celebrate Wellness - A Therapy Game

Silicon Valley Independent Living Center

Natural Transitions Consulting, LLC

Rehab Robo

Dance4Healing Tele-exercise

Uplifting Wheelchair

911Finder Cellular Watch

# Virtual Assistive Technology Faire

- ▶ Eight vendors of products and services
- ▶ Three-minute pitch from each vendor
- ▶ Check out all vendors in breakout rooms
- ▶ Report on the coolest thing you saw



# Today

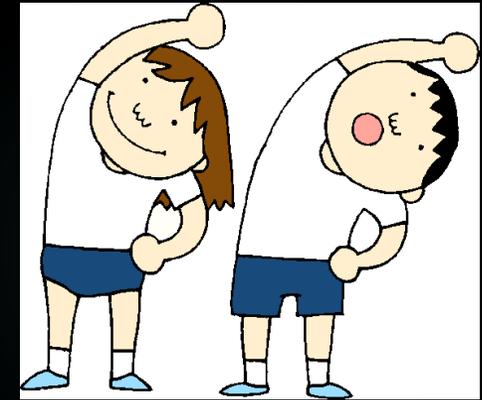
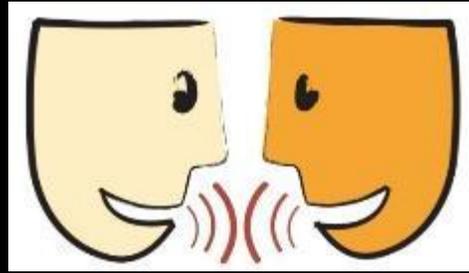


*VA Palo Alto Health Care System*

B. Jenny Kiratli, PhD & Jeffrey P. Jaramillo, DPT  
Director of Clinical Research & Physical Therapist  
SCI Center at VA Palo Alto Health Care System

# Activities

- ▶ Attendance Sheet
- ▶ Evaluation Form
- ▶ 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

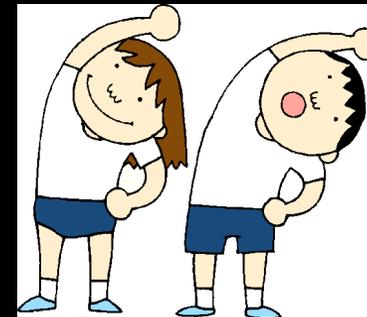
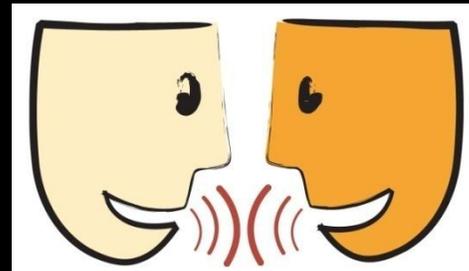


# Questions?



# 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

