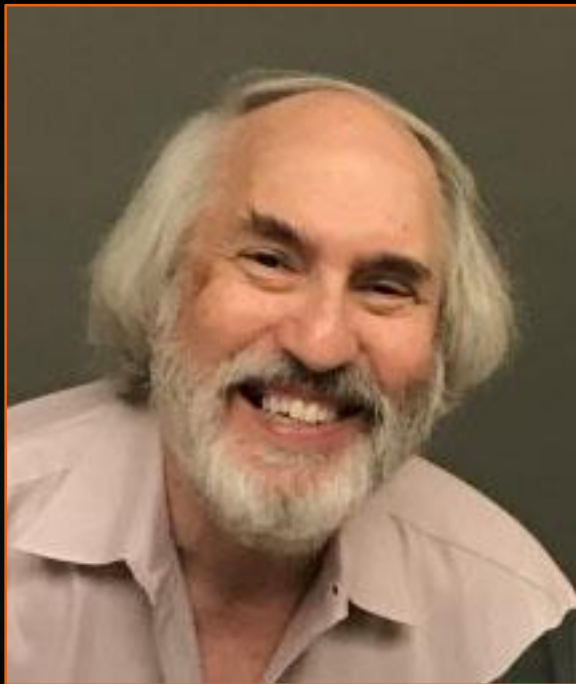


February 23, 2021
Improving Home Environments for Older Adults



ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

15
Years

I got vaccinated!





CLEARING A PATH
FOR PEOPLE WITH SPECIAL NEEDS
CLEARS THE PATH FOR EVERYONE!

Submitted by
Marlo Kohn



Questions?



Apologies

- ▶ Trouble locating emailed mid-term reports
- ▶ Meeting schedule



Upcoming class sessions

- ▶ Thu, Feb 25th
Assistive Technology Faire
Nine vendors confirmed



- ▶ Tue, Mar 2nd
Normalcy Fallacy: Reimagining Mobility for Scientific & Innovation

Kat M. Steele, PhD, MS

Designing Exoskeletons and Prosthetics that Enhance Human Performance

Steven H. Collins, PhD



Are You Graduating **this Quarter?**

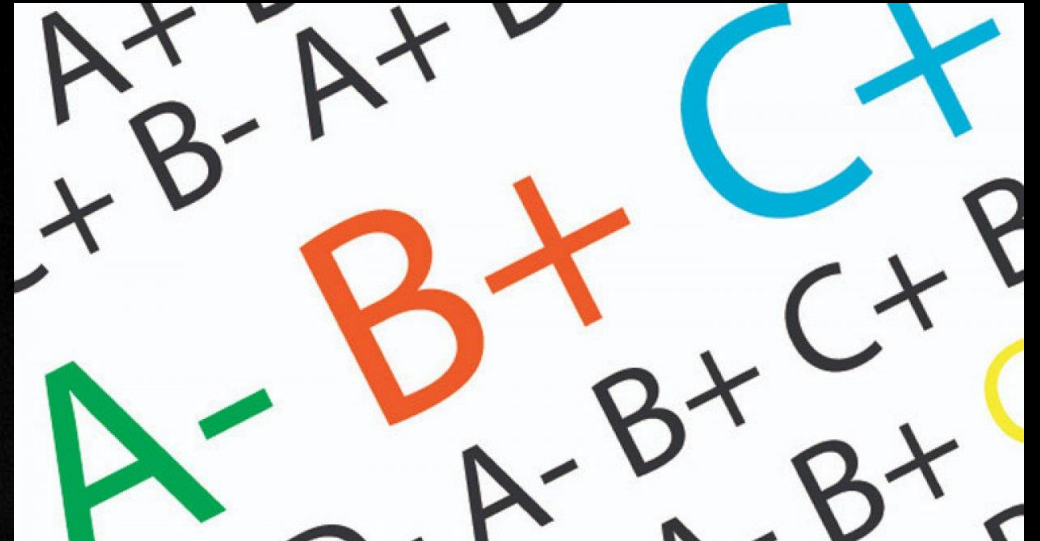


- ▶ Fri, Mar 19th Last day of classes
- ▶ Fri, Mar 19th Last opportunity to arrange Incomplete
- ▶ Tue, Mar 23rd **Grades for graduating students due**
- ▶ Mon, Mar 29th Grades for non-graduating students due

Grading



Deliverable	%
Mid-term Presentation	0
Mid-term Report	10
End-of-term Report	40
End-of-term Presentation	30
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.

Students working on fabrication projects

Activities for the remainder of the quarter



- ▶ Work individually
- ▶ Fabricating low-cost prototypes
- ▶ Discussing and demonstrating the prototypes to the project suggestor
- ▶ Receiving and analyzing their feedback and suggestions
- ▶ Redesigning and fabricating a refined prototype
- ▶ Iterating the process until the end of the quarter
- ▶ Reporting your project progress

Students working on non-fabrication projects

Activities for the remainder of the quarter



- ▶ Continue research on topic
- ▶ Interview additional people including clients
- ▶ Include your perspectives, draw conclusions
- ▶ Reporting your project progress

Persona



- ▶ The characterization of a typical / average person who represents the consumer group for a prototype being designed or a product being commercialized
- ▶ May not be a real person
- ▶ However, every person with a disability or older adult differs in their challenges, goals, preferences, and prejudices
- ▶ Consider products with versions, adjustability, ability to be customized, accessories, modularity, universally designed

Thursday, February 25th



Virtual Assistive Technology Faire

Nine Vendors

Virtual Assistive Technology Faire

- ▶ Nine 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

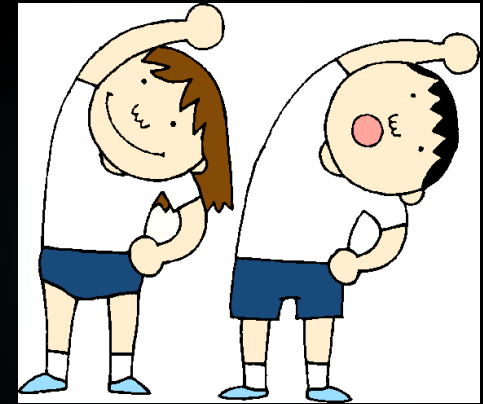
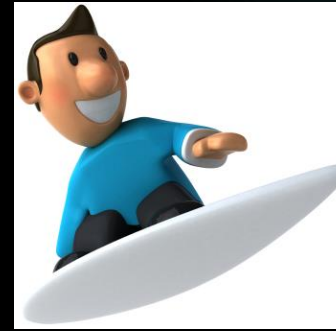
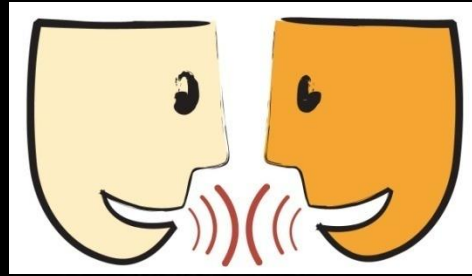


Improving Home Environments for Older Adults

Matteo Zallio, M.Arch, PhD

Break Activities

- ▶ Breakout rooms
- ▶ 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

