February 19, 2019
Designing Beyond the Norm to Meet the Needs of All People

ENGR110/210
Perspectives in Assistive Technology

David L. Jaffe, MS
Instructor

13
Years
Questions, Comments, Suggestions, or Concerns?

Please notify me of your comments, suggestions, and concerns so I can explain / address / correct them before the end-of-term course evaluation.
For all students:
• Attendance Sheet
• Meet with Dave signup

For everyone:
• Class Session Evaluation Form
Upcoming class sessions

- Field Trip to the Magical Bridge Playground - Thu, Feb 21\textsuperscript{st}
- Designing Exoskeletons and Prosthetic Limbs that Enhance Human Performance - Steven H. Collins, PhD – Tue, Feb 26\textsuperscript{th}
- Assistive Technology Faire - Thu, Feb 28\textsuperscript{th}
- Film Screening - Tue, Mar 5\textsuperscript{th} - Peterson Building
- Wheelchair Fabrication in Developing Countries - Ralf Hotchkiss - Thu, Mar 7\textsuperscript{th}
Week 10 class sessions

- Student Team Project Final Presentations - Tue, Mar 12th

- Student team Project Demonstrations, Course Evaluations, and Celebration - Thu, Mar 14th
Reminder - Work with Diligence

- Time is your team’s most precious resource
- 3 weeks of class left to work on your projects
Mid-term Evaluation Comments

- Good comments, bad comments, how to evaluate?
- Conflicting comments on content and/or presentation
- 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, and subjectivity
- Some evaluators may pick up on a 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?
Pre-Lecture Discussion Topics

22 - Ethical / Moral Dilemmas Related to Disability
22 - In the News - New Assistive Technology products and research
20 - Assistive Robotics - Robotic technology benefitting people with disabilities and older adults
15 - Overview of Accessibility - How this design feature relates to products, with many examples
15 - Ten Commandments of Making - Adam Savage’s Maker Faire video
15 - Video Theatre - Watch and discuss videos of new products and prototypes
12 - Vintage Assistive Technology - Products and devices from the past
12 - The Upside of Failure - Learning from prototypes that didn't work
12 - Who is Disabled? - Making a determination with limited information
12 - Innovative Marketing Metrics - How we use words to measure and advertise
  9 - Famous people with disabilities - Focus on TV characters
Thursday, February 21st

Where Everyone Can Play!

Field trip to Magical Bridge Playground

Olenka Villarreal & Jay Gluckman
Field Trip to the Magical Bridge Playground
Carpoolers: Use the same drivers and passengers as Field Trip to VA.

Drivers: Arrange your own pickup point time and location - coordinate with your passengers.

Passengers: Please connect with your driver to verify the pickup point time and location.
Directions to Magical Bridge Playground
Directions to Magical Bridge Playground

1. Take Galvez St. toward El Camino Real
2. Cross El Camino Real - becomes Embarcadero
3. Right turn onto Middlefield Rd.
4. Just after Mitchell Park Library and Adobe Creek and before Charleston, turn right into Abilities United at 3864 Middlefield. Park in the back by the tennis courts.
5. Proceed on foot around the tennis courts to the left to the Peery Circle Entry.
Aerial Terrain View

Turn here

Park here
Entrance off of Middlefield Rd

Notice change in pavement color
Park near tennis courts

Turn here

Park back here
Magical Bridge Playground

Meet here

Park here
Meet at Entry Plaza

Meet here
Designing Beyond the Norm to Meet the Needs of All People

Peter W. Axelson, MSME, ATP, RET

Beneficial Designs, Inc. - Director of Research & Development
After Class

Post-class dinner at Gott’s Roadside in Town & Country Shopping Center - arrive around 6:30pm
Short Break

Back in a minute

S O C I A L  M E D I A  B R E A K
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
Questions?
Adjourn
Time for Questions?
End the class