February 24, 2026

Designing Beyond the Norm to Meet the Needs of All People

ENGR110/210
Perspectives in Assistive Technology



Peter W. Axelson, MSME, ATP, RET

Beneficial Designs, Inc.

Questions, Comments, Suggestions, or Concerns?





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

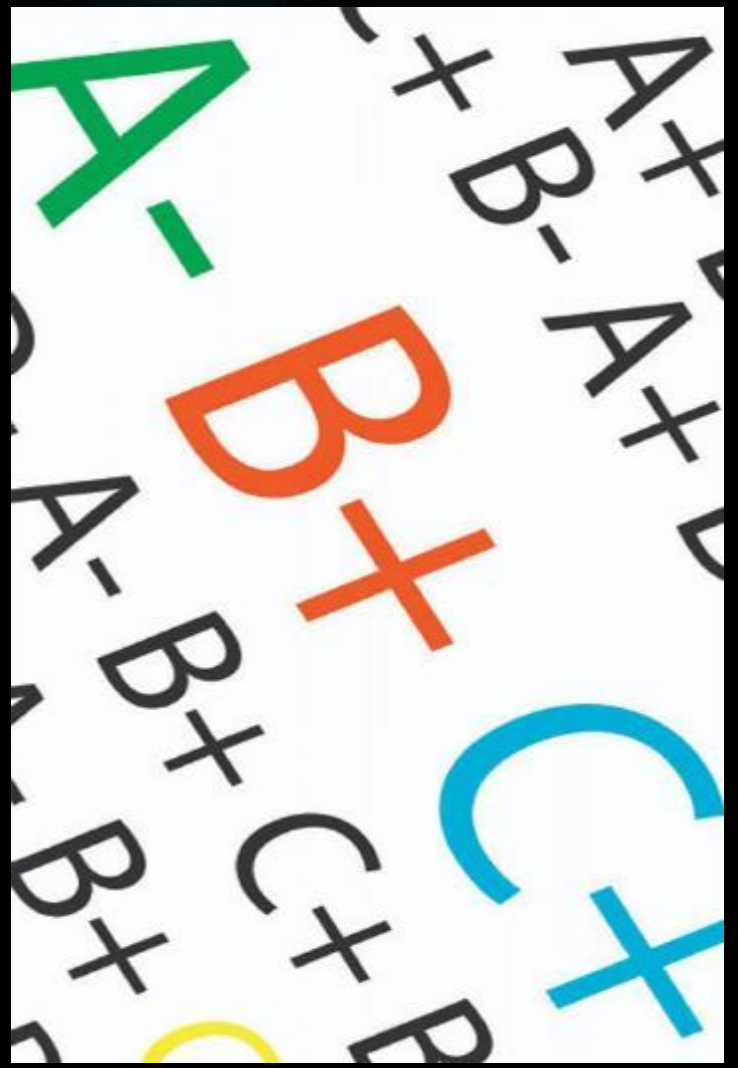
Students Working on Team Projects
Mid-term Report Scoring



- Scoring:
  - Excellent 0
  - Very Good to Excellent 6
  - Very Good 3
  - Good to Very Good 3
  - Good 2
- Scanned marked up documents emailed to teams
- Mid-term Report is 10% of grade

Team Projects Scoring

Deliverable	%
Mid-term Presentation	10
Mid-term Report	10
End-of-term Report	20
End-of-term Presentation	20
Prototype Design & Functionality	15
Project Suggestor Feedback	15
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.

Home Stretch - Work with Diligence

- Time is your team's most precious resource
- 14 days until End-of-term Team Project Presentations - Tue, Mar 10th
- Identify remaining activities and assign responsibilities
- Plan for successes and setbacks





Students working on Team Projects

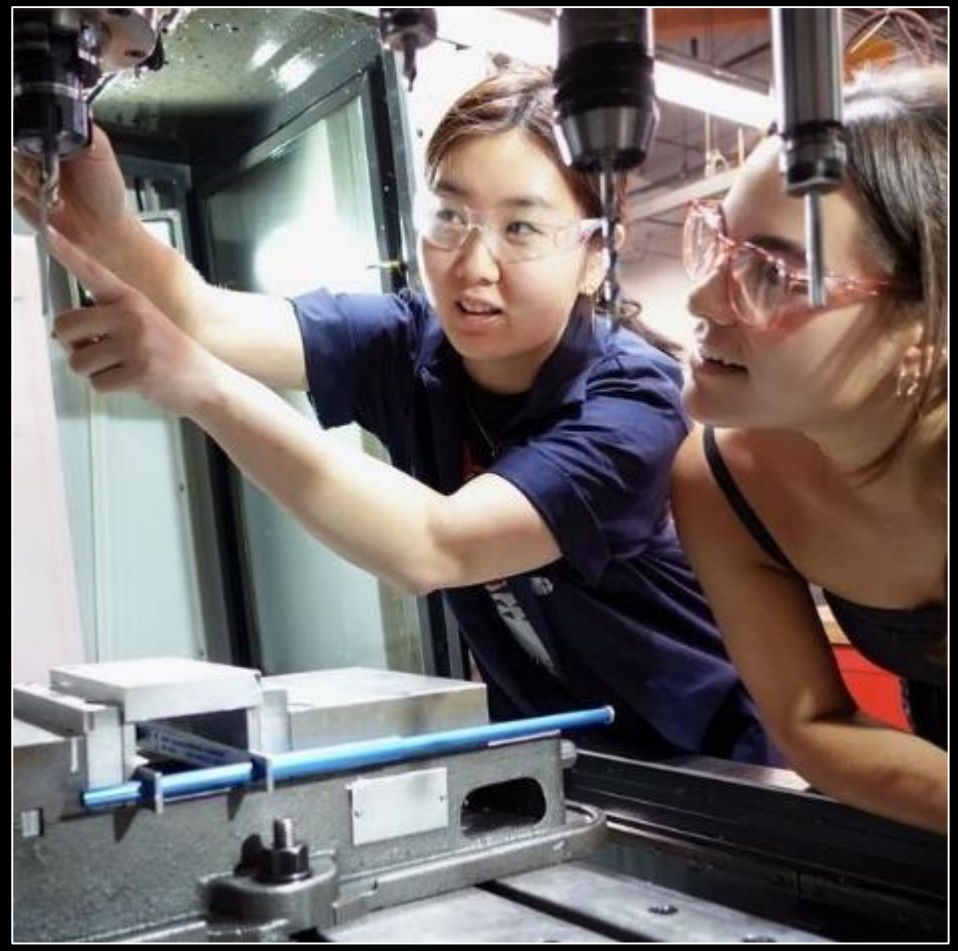
Project Activities

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



Students working on Team Projects
Extra Credit

- Meet the Makers
- Wed, Mar 18th - 9:30 – 11:30am
- 1 Table (2 projects)
- First two teams who email me



Student working on Individual Projects



- Continue to meet with me to discuss project progress
- Send progress reports with photos
- Submit Project Title, Abstract & Presentation Date / Time
- Contact me if you have questions about your project direction
- Project presentations:
  - Week 9
  - Outside of class
  - In-person

Upcoming class sessions



- The Design and Control of Exoskeletons for Rehabilitation
  - Katherine Strausser, PhD
  - Thu, Feb 26th



- Video Theater
  - Tue, Mar 3th

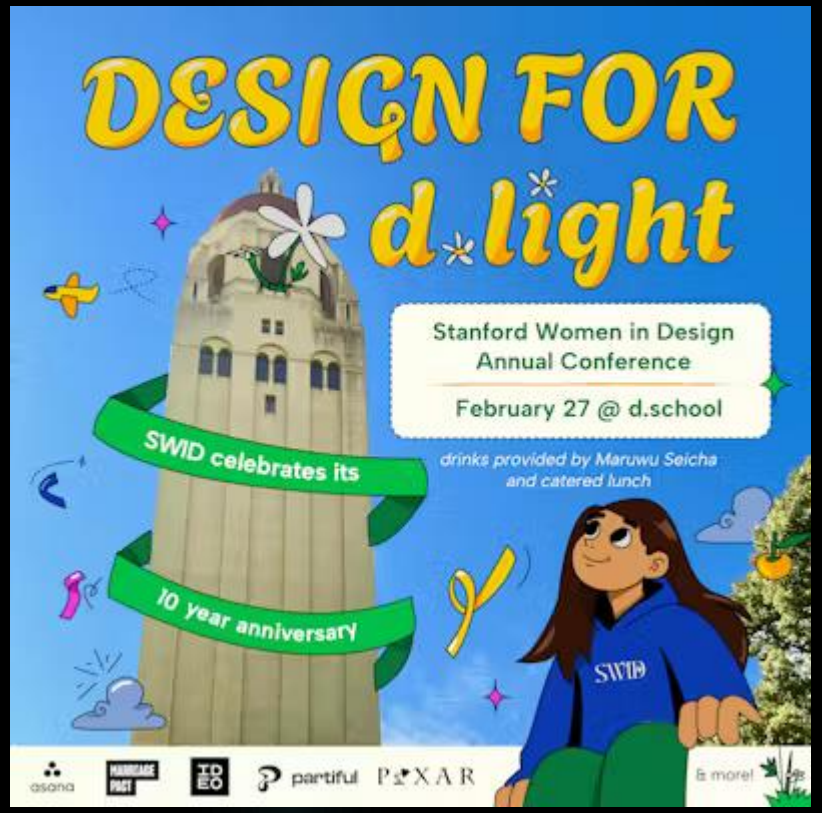
- Wheelchair Fabrication in Developing Countries
  - Ralf Hotchkiss
  - Thu, Mar 5th

Upcoming Event

- Stanford Women in Design Annual Conference
  - Design for Delight
  - Fri, Feb 27th - 11:00am to 4:30pm
  - Peterson Building Atrium

- "This year's theme explores how designers and builders create joyful, emotionally resonant, and playful experiences across disciplines."

- Olenka Villarreal is one of the speakers.



Thursday, February 26th



The Design and Control of Exoskeletons for Rehabilitation

Katherine Strausser, PhD

Ekso Bionics

Today



Designing Beyond the Norm to Meet the Needs of All People

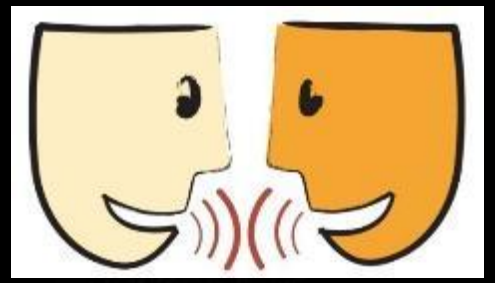
Peter W. Axelson, MSME, ATP, RET

Beneficial Designs, Inc. - Director of Research & Development

Dinner at Gott's ~ 6:45pm



Break Activities



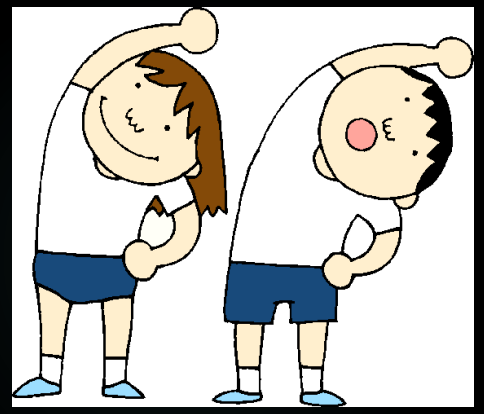




- Attendance sheet
- Stand up and stretch
- Take a bio-break
- Text message
- Web-surf
- Respond to email
- Talk with classmates
- Reflect on what was presented in class









Short Break



