Universal Design:
Introduction, Case Studies, and Discussion in the Context of Systems Engineering

Organized by the SE Staff/Faculty/Student Cultural Competency Working Group
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Outline

- **Introduction**
- **Short Videos on Universal Design**
- **Community Guidelines**
- **Discussion**
- **Potential Actions for YOU**

Introduction

- **This is a presentation and discussion on universal design in systems engineering**

- **We will be using a Google Jamboard to facilitate an anonymized discussion**
    - Scan the QR code below and navigate to this link: https://qrco.de/bdsc6U

- **If you have already viewed the videos, feel free to start adding your responses to the Jamboard**

SCAN ME

Videos on Universal Design

https://www.youtube.com/watch?v=Lqn5irwRvsA

https://www.youtube.com/watch?v=QJ9_5Vydpv8
We will be watching the third case study that starts at 11:07

Community Guidelines

Speak Your Truth: Share from your own experiences

Seek to Understand: Actively listen, before responding

Respect Others' Experience: We may have different OR similar stories to share, and contexts to draw from. All are legitimate.

Disagree Without Discord: Disagreement may occur. Please:

- Approach unexpected ideas with curiosity, not argument.
- If you disagree, debate and challenge ideas. Don't attack the speaker.

Share the Air: Make room for all voices to be heard, and don't dominate the conversation.

Zoom Guidance: Please use the raise your hand feature in Zoom or put your question/comment in chat.

In-person Guidance: Please raise your hand.

Adapted from Brené Brown

Jamboard

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We will now have a 2-minute pause so that you can navigate to the Jamboard and start to answer some of the questions

Discussion Questions

Q1: What are some *examples* of intentional or unintentional design (products, processes, policies, organizations, etc.) that you have seen not working as intended for you or others in your own world?

Q2: [Optional follow up to Q1] How might those specific ineffective designs be adjusted to be more inclusive?

Q3: What examples have you seen in your workplace/profession of design that has incorporated universal design either from the outset or after feedback was given?

Q4: How can systems engineering enable more inclusive design?

Q5: What might be the steps to achieving better universal design outcomes?
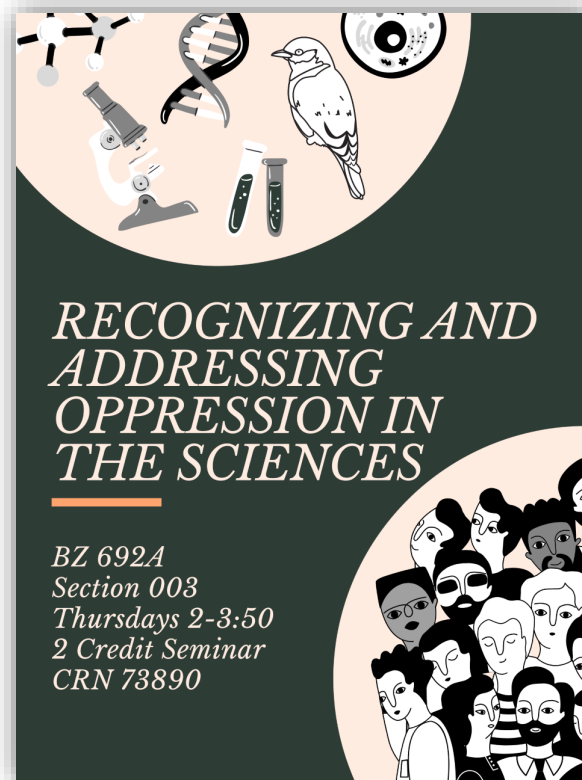
Potential Actions for YOU

- **Join the SE Department *DEI Student Sub-Committee*!**
  - o Contact Ingrid, Deb, or Erika to learn more
- **Visit the SE Department *Diversity, Equity, and Inclusion: Actions & Resources* web page**
  - o https://www.engr.colostate.edu/se/diversity-equity-and-inclusion/
  - o Events, resources, talks, workshops, etc. are regularly posted there
  - o If something is missing, share resources with us in the form at the bottom of the webpage

Potential Actions for YOU (2)

- **For on-campus students, consider enrolling in the new *Recognizing and Addressing Oppression in the Sciences* seminar course at CSU**
  - https://natsci.source.colostate.edu/recognizing-and-addressing-oppression-in-the-sciences/

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Thanks!