Let’s Start Here – In the Classroom

Personal: Things to share with your students

- Who you are and what you do (beyond the classroom/lab)
- How you got there – what obstacles did you face? What smoothed your way?
- What you “hope” and “expect” for them.
  - At the end of this course you should be able to “xyz”.
  - I hope that during this course you will appreciate the complexity and beauty of this field. I hope that you will be fascinated and want to learn more.

Syllabus Additions: Consider adding these

- Statements of inclusion/welcome
  - I support and promote changes in our field. Engineering is a global endeavor, and we need all bright minds working hard to improve society.
  - The college is reflective of the world beyond our classroom – in research labs, in industry and in society. Make use of your time here to get to know and work with those who have had different experiences than you.
- Statement reiterating non-discrimination policies AND what to do when there’s a concern.
  - If you have a suggestion about how I can teach you better, email me – tell me during office hours.
  - If you feel your voice is not heard, tell me, and tell me again if you think I didn’t hear you. I want to know. Your education (educational experience) matters to me.
- Here are resources…
  - Department, CoE, FAMU, FSU
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Intro Activities

• Rolls – Introduce yourself with your pronouns and invite students to share their preferred name and pronoun. (mypronouns.org)
• Index Cards / Emails / Forms – trivia game
  > What was your favorite quarantine tv show? (Breaking Bad)
  > Favorite problem solving by engineering example (printing n-95 masks)
  > Favorite scientist/STEM influencer? (Fauci)

Classroom Management

• Additional resources to supplement your teaching (go here to learn more about x)
• Guest lectures via Zoom – colleagues who do not look like you / are from a different country / etc.
• Cross disciplinary approaches – how do social scientists approach this problem? Why would it be useful to have other disciplines participate in the problem? Visualization? Ideation? Creativity? Need? Ethics?
• Change teams / break cliques – random draws? Alpha? First and Last?
• Additional exercises – videos and other media? Team lectures?
• Classroom blogs? Website content development.
• Peer evaluation project with guidelines to enhance learning acquisition – no ad hominem critiques, yes constructive criticism.