ENGR 11: Monday 1/4/2021

BEFORE CLASS:

- Get Zoom Set Up

- Get YouTube Live Stream Set Up

DURING LECTURE:

- Introductions:

    o My goal is to learn all of your names by the end of today's class.
    o I need help: I can't do that without seeing your faces.

- Zoom break out rooms: which of your groups has the most in common.

- Fill out Welcome Survey: ENGR 11 in Winter 2021

- Growth mindset activity:

    o Read: Growth Mindset Article

    o Finish: Growth Mindset Activity

- Question and Answers

- Introduction to the Flipped Classroom model

DURING LAB:

- Work on Laboratory 1 (Due on Wednesday 1/6/2021 at 12:50pm)

AFTER CLASS:

- Watch Lesson 1, Part 1 Playlist- Learn MATLAB: The MATLAB Desktop

- Write all lines of code, take notes on content, generate question

- Prepare for Quiz 1 on Wednesday 1/6/2021 at 10AM on Lesson 1, Part 1 Playlist

- Should I ask each of my students to have a gmail account?

  ○ In this class, I plan to use Google Documents, Google Forms, YouTube, and Google Voice as tools to help you learn. Here are all the ways I plan to engage with you:

    ▪ Answer technical questions posted on my YouTube videos in comments section

    ▪ Collect and analyze your survey responses using Google forms

    ▪ Work on Google documents as a team and compile our work into daily reports that we can use to drive our learning.

    ▪ Be accessible to you via text message 24 hours a day, 7 days a week.

  ○ It may be the case that it is convenient for your learning for you to have a Google account so I can track your engagement and so you can get credit for your contributions. However, this is the first time I'm trying all this so I need your help.

- How can I use Zoom to do break out rooms with predefined groups?

  ○ In this class, I plan to ask you to engage with each other in small groups. We will do this on a daily basis using the breakout room feature of zoom. However, I want to be able to pre-define the groups (rather than just random selections).

  ○ I found a good article on pre-assigning participants to breakout rooms in zoom. But I've never actually done this and need some help.

- What is the best way to take advantage of the YouTube comment section?

  ○ One suggestion that many previous students (eg. Henry F, Derek T, Misha B, etc.) gave to me was to use YouTube comments to answer technical questions for my classes. These students said that if I get in the habit of having my students post questions using the comment section on YouTube, a few things might happen:

    1. Students can ask questions as they arise in a video
    2. Other students can reply with comments and answer so that our whole learning community can contribute.
    3. Students can link to videos of questions or answers to create their own content
    4. I can track students questions asynchronously and answer in the same format
    5. Any answers posted are accessible not only for this generation of students but for years into the future (assuming YouTube stays in business).

  ○ So, this quarter I will try something new in honor of these suggestions: I will be inviting you to ask questions on my YouTube site using the comments functionality. I'm going to need your help figuring out this system. I welcome any feedback and suggestions you have on this! I'm nervous because this is new to me but I have faith that we can figure this out as a team. Do you see me learning from my students? It happens every time I interact with own of my students... You make me a better person!