

# Instructional Team

# ECE 120 Course Options

- ECE 120 is being offered in two different course delivery models
- **Traditional** sections AL2 (10 AM) and AL4 (3 PM)
  - 3 live (synchronous) lectures per week
  - 1 live discussion per week
- **Flipped** sections AL1 (9 AM) and AL3 (1 PM).
  - 3 pre-recorded (asynchronous) lectures per week
  - 3 live lecture-discussions per week
- All four sections will have the same labs, homework, and exams

# Traditional Course Delivery

- Closest to how ECE 120 was traditionally taught pre-COVID
- 3 live (synchronous) lectures per week over Zoom (Mon-Wed-Fri)
  - Lectures by Prof. Aggarwal and Prof. Bhat during designated lecture time.
- 1 live discussion per week over Zoom (Thu)
  - Discussions led by TAs during designated discussion times
  - Work in groups to complete a worksheet
- 10% of class grade based on discussion worksheets

# Flipped Course Delivery

- An interactive model developed over the Summer
- 3 pre-recorded (asynchronous) lectures per week
  - Lectures by Prof. Lumetta you can watch on your own time before lecture-discussion
  - Self-study: textbook and course notes
- 3 live lecture-discussions per week over Zoom (Mon-Wed-Fri)
  - Lecture-discussions led by instructors during designated lecture times
  - View pre-recorded lecture and read course notes *before* lecture-discussion
  - Take a short quiz before each lecture-discussion
  - Complete an in-class worksheet (not graded) with instructor
- Do *not* need to attend discussion section
- 10% of class grade based on pre-lecture-discussion quizzes

# Your Next Step

- Decide which course delivery model works best for you
  - Attend both traditional and flipped sections this week
- Switch to your preferred section
  - **Traditional:** AL2 (10 AM) and AL4 (3 PM)
  - **Flipped:** AL1 (9 AM) and AL3 (1 PM)
- You do not need to attend discussion if you are in a flipped section
- You do not need to take pre-lecture quizzes in a traditional section

# Labs

- There are 13 labs in the class (one per week)
- Most labs are software-based
- Labs 4, 6, and 8 are *hardware* labs
- You will need the ECE 120 lab kit for these labs
- Kit for sale at <https://my.ece.illinois.edu/buy/>
- **Order the kit now** so you have it in time for Lab 4
- There will be *no extensions* given because of kits arriving late if you order your kit after August 29, 2020

# Homework

- There will be one homework assignment per week
- Homework will be due on Mondays at 9 PM
- Most homework assignments will have two parts:
  - **Skill Practice** and **Skill Application** problems on PrairieLearn
  - **Written** problems submitted via Gradescope

# Skill Practice and Application Problems

- Practice and apply core skills learned in class
- Each problem is a randomly-generated instance
  - You can do multiple instances of skill practice problems
- 100% credit if completed by deadline (Mondays at 9 PM)
- 50% credit if completed before end of instruction
- See instructions for each assignment for details



# Written Problems

- Problems that require analytical thinking
- First attempt graded on *completion only*
  - Full credit for attempting the problem even if your answer is not correct
- Second attempt (due a week later) graded on *corrections*
  - Only submit corrections for problems you did not answer correctly
  - Corrections must *explain* your mistake
- See instructions for each assignment for details