

# EE/CME 495 Final Presentation

March 16, 2020 at 2:30PM  
(hand in slides on course website by noon)

## Assignment Description

Each team is required to prepare and deliver a presentation on their design project. At a high level, the presentation is expected to summarize the problem you were trying to solve, the process you used to solve it, and the final solution you developed. Specific questions you may wish to address in your presentation include:

- Problem description
  - What problem are you trying to solve?
  - Why is it an important problem?
  - What constraints were you given?
- Requirements analysis
  - What are the major design requirements?
  - How and why were these requirements chosen?
- System design
  - Present a system level block diagram of your system, showing the key subsystems and their interconnections.
  - Why did you select this particular system design?
- Detailed design and testing
  - Discuss one or two key aspects of your detailed design.
  - What process did you use to test your system?
- Overall
  - If possible, demonstrate the working system.

- What are the limitations of your solution?
- What were the biggest challenges you faced?
- Discuss any future plans you have for this design.

Note that a demonstration of your working system is not strictly required, but is strongly encouraged and will likely enhance the audience's perception of your group. Due to logistical and setup issues, a video of your working system is often safer, quicker, and more straightforward than an in-class demo. For these reasons, video demonstrations are generally preferred. Even if you are planning on doing an in-person working demonstration, it is recommended that you have a video of the working system as a backup.

The audience for the presentation will be your student peers, supervisors, ECE faculty members, and industry partners / clients. Please prepare your presentation with the background and interests of your audience in mind.

Each group will have 15 minutes for their presentation, followed by 5 minutes of questions from the audience. Due to the large number of groups, these time limits will be strictly enforced.

As always, you should refer to your notes from RCM 300 when preparing the presentation. Some specific tips and suggestions will be discussed in class prior to the due date.

## Rubric / Marking scheme

This assignment is worth 10% of your final grade. It will be marked out of 20, with marks assigned as follows:

| Item              | Marks | Description   |
|-------------------|-------|---|
| Technical Content | 10    | Clear descriptions of problem, requirements, and chosen system design; design shown to meet key system requirements; design decisions are logical; strengths and weaknesses of design highlighted   |
| Presentation      | 10    | Slides are compelling and convey information effectively; delivery at appropriate pace and volume; all group members make meaningful contribution; presenters are confident and full of energy and enthusiasm; effective use of available time; audience questions answered appropriately |