

Post Thanksgiving TA Check-in (Week of 11/30/2020)

- Wednesday 3-3:45pm
 - U of M Crookston
 - U of M Morris
 - Winona State University
- Wednesday 7-7:45pm
 - Century
 - Hamline
 - SJU/CSB
 - U of M Twin Cities
 - MSUM
 - Hill Murray
- Friday 3-3:34pm
 - Concordia
 - Normandale

Prompt Questions

- Have you filled out the media release form and submitted a team pic (or montage)?
- How are you dealing with pandemic-related restrictions?
- Do you have a feel for the capabilities of the Blue Heron Drone?
- Telemetry/visual feedback from drone?
- Have you begun researching additional sensors?
 - Have you ordered any?
- What have been your biggest struggles?
- What was your biggest success?

PDR (Preliminary Design Review) (Written Report)

- PDR is due January 22, 2021
- You will need to address:
 - The skills you are developing (programming, soldering, flying).
 - The drone's capabilities.
 - How you are dealing with COVID-related restrictions.
 - Plans for the sensors and electronics.
- A rubric and template for this document is posted on the website
 - The overall contest rubric and a variety of other guiding documents have also been posted.

[https://dept.aem.umn.edu/msgc/MN Space Grant Quadcopter Challenge 2020 2021/](https://dept.aem.umn.edu/msgc/MN_Space_Grant_Quadcopter_Challenge_2020_2021/)

Things to Consider:

- If you plan to order additional sensors, get your hands on them as soon as possible.
- Can we make our sensors modular? (i.e. removable)
- Make sure you are documenting the work you do. This will make writing the reports and making the videos easier.

Questions For Me?

Next Semester Meetings

- We will have one more meeting this semester, the week of Dec. 14th
- Our first meeting next semester will be the week of January 11th
 - Meetings will be bi-weekly after that
- Before Friday, December 11th, you will need to send me several time slots from the following times when your team can meet with me (for update calls) NEXT semester:
 - Monday: 10am-11:30am and 7pm-9pm
 - Tuesday: 12:00pm-3pm
 - Wednesday: 10am-11:30am and 4pm-9pm
 - Thursday: 12:00pm-3pm
 - Friday: 10am-11:30am

Tasks For Next Meeting

- Submit media release forms and a team picture (or montage)
- Determine what times work for next semester and send them to me by the end of next week (i.e. by Dec. 11)
- Have a preliminary plan in place for what data you wish to collect.
- Begin to brainstorm/plan how you will move from a solderless breadboard version of your sensor suite to a more-permanent (lighter!) version.
- Continue to practice flying the Blue Heron drone.
- Check out the additional documents regarding the scoring of the PDR and the challenge as a whole on the challenge website.

[https://dept.aem.umn.edu/msgc/MN Space Grant Quadcopter Challenge 2020 2021/](https://dept.aem.umn.edu/msgc/MN_Space_Grant_Quadcopter_Challenge_2020_2021/)