162 Oral Pres Non-Coding Presentation Rubric

General

- Within time limits (6-8 minutes unless told otherwise)
- Tell a good story
- Clear speaking, audible in back of the room
- Each student speaks approx. equal time
- **Slide numbers on slides**
- Consistent color coding
- Citations used as needed
- Large, clear images with sparse wording
- Good color schemes (avoid dark blue on black or yellow on white)
- Look at everyone, not just the instructor
- Font size 18-point or larger everywhere
- Obviously practiced multiple times
- Slides have lots of images (not endless text)!

Explain the task you were given

- Include a title slide (with names & date) and then a goal slide. Include large, relevant images on both!
- Tell us about the main question you are trying to answer

Explain Theory & Procedure

- It is most important to tell a good story. If discussing procedure before theory helps, do it.
- No bulleted list of equipment!
- Include pictures of the device with high contrast labels (>18-point font).
- Sometimes it is just way better to include a short video to help explain things, especially for the procedure.
- Often pictures seem busy in the background; it helps to make a simplified figure in addition to the pictures.
- Include a clear/concise/complete derivation of your theoretical result(s). Don't show every algebra step used to simplify results, but do show all *important* steps and explain them a bit.
- Use the equation editor yourself (do not steal my stuff). In upper division you'll probably be glad you know this.
- Make your own figures (do not steal my stuff or search the web). Again, you'll probably be glad you know this.

DATA

- Just *before* data, just *after* theory & procedure, bring back goal slide to remind everyone of the point
- 18-point font or larger on everything
- Plots are easy to read and well-explained (see examples & formatting guidelines in YouTube playlist)
- With certain exceptions, avoid tables in favor of plots whenever possible.
- Make plots as large as possible while leaving a bit of space around edges to account for projector issues.
- When possible, add equations and/or calculations onto plots to remind us of the applicable theory.
- Watch out for the weird MS Office save issue when putting equations on plots.
    - First make the plot small.
    - Then make an equation somewhere else on the slide (not on the plot).
    - Then stretch the plot to full size. This puts the equation on a different layer than the plot & saves it correctly.

Wrap it up

- Bring back the goal slide yet again, this time layering on a summary of results
- Remind us of the question you had and the data you produced to answer that question
- It can help to include thumbnails of plots if that produce your final result (remove labels/text as need for clarity)
- Summarize average % differences from theory in table here if needs be
- To get average % difference use $\%diff = \frac{|exp-th|}{th}$ to avoid spurious cancelations