

Your final presentation must be <12 min long (shoot for 10 min), plus 3 min for Q&A; **email Shane a PDF or PPT version of your presentation the day before you present.** This means 6 – 8 slides and approximately 1.5 min per slide; you will be cut off at exactly 12 min no matter what!

Discuss one seminal and/or review publication (~70% of the time); include background on the process, technique, or technology, where and when it would be used, why it is useful, and the nitty gritty of how it works using terminology we've learned in this course or in chemistry in general. Your main goal should be to bridge information presented in the course to your topic and/or teach us something entirely new. This will be 4 – 5 slides.

One recent publication (2015 or later) (~30% of the time); **email Shane a PDF version of this paper one week before you present**; include what the paper did related to your topic, the major discovery, and how it works, including data, and a critical assessment of their *chemical* data interpretation. **I want to see at least one graph or plot or image or some *useful chemical data*!** This will be 2 – 3 slides.

Things to make sure to do:

- Take this seriously! This is worth a considerable amount of (nearly free) points.
- Be concise; you only have a maximum of 12 minutes! Be aware of the time, and focus on the most important information; practice your talk so that it is polished and so that you optimize use of your time; as a backup, you might have to present over Zoom, which can be uncomfortable, and so it is important to practice over Zoom as well.
- Be prepared. It is very easy to tell the difference between those that practiced their talk and those that did not. It's okay to be nervous, but it is not okay to be unprepared. Know your material and be ready to go as soon as the person before you is finished; this is also why it is imperative that you email Shane your presentation the day before you are scheduled to present so that he has all presentation files loaded and ready to go when class starts. This will also serve as a backup in case you have technical difficulties.
- Present to the audience, and know your audience. Make sure to share enough background so that we know what you are talking about, but remember to be concise and that by this time, everyone will have taken an introductory physical chemistry course.
- Make sure to hit all the points listed above to maximize your score! This sheet is an excellent guide for the grading rubric.
- Have fun; **seriously!** The more excited you are about your topic the more others will be interested.

Things to make sure not to do:

- Don't prepare 40 slides; prepare 6 – 8 slides, even if you are taking us step-by-step through a process, which will make for a ~12 min presentation. Keep in mind that you only "need" to talk for ~10 min.
- Don't go over time. It is very rude to the entire class who will have to stay late to finish all presentations during a course period, and thus it will result in the loss of points; please be courteous to your fellow classmates.
- Don't read your presentation from a pre-prepared script. Make sure you talk to the audience.

Schedule and Topics for Presentation (12 + 3 min)

Th7/28: Class Period 1 @ 9 am – noon (paper to Shane by F7/22; talk to Shane by W7/27)

- (1) 9:05am – Who (topic)
- (2) 9:22am – Who (topic)
- (3) 9:39am – Who (topic)
- Break (9 min)*
- (4) 10:05am – Who (topic)
- (5) 10:22am – Who (topic)
- (6) 10:39am – Who (topic)
- Break (9 min)*
- (7) 11:05am – Who (topic)
- (8) 11:22am – Who (topic)
- (9) 11:39am – Who (topic)

F7/29: Discussion Session Period 2 @ 9 am – noon (paper to Shane by F7/22; talk to Shane by Th7/28)

- (1) 9:05am – Who (topic)
- (2) 9:22am – Who (topic)
- (3) 9:39am – Who (topic)
- Break (9 min)*
- (4) 10:05am – Who (topic)
- (5) 10:22am – Who (topic)
- (6) 10:39am – Who (topic)
- Break (9 min)*
- (7) 11:05am – Who (topic)
- (8) 11:22am – Who (topic)
- (9) 11:39am – Who (topic)