

Extra-credit presentations (2018)

Maximum 50 points, added to the homework score (but check Note 2 below).

Format: 5-10 minutes video. Can be individual or done by two people together (no more than two!). In latter case both co-presenters has to contribute equally, and the same grade will be assigned to both.

Content: you are going to “interview” a **noteworthy physicist** who worked in XX century on topics related to our course content. During this interview the subject will answer several mandatory questions below, but you can feel free to add your own.

Mandatory questions:

- 1.) Explain in 1-2 minutes your most significant scientific contribution. The explanations should be geared toward an average 201 student.
- 2.) What people and/or discoveries motivated your work?
- 3.) Looking at your work from 2018, is it still valid? Do people still use it? Has it been replaced with something more advance?
- 4.) What was/is the most significant effect of your work or career on society, especially outside of scientific community?

The actual format is up to you: you can dress up and stage it as a real “interview”, or can just write on a white board and have behind the camera voice. The videos will be judge primarily on the content.

Note 1: Following physicists are excluded from the list of potential interview subjects, since we discuss them in class or in reading essays: Michelson, Einstein, von Brown, Heisenberg, Schrodinger, deBroigle, Bohr, Plank.

Note 2: You can get additional 10 points if your interview subject is from a group under-represented in physics (pretty much anyone who is not a white male of European origin). In this case the maximum score for the presentation is 60 points.

Note 3: I would like to share this video with the class, unless I specifically receive the request of not doing so. Sharing your work with the class will allow for extra points.

Deadline: I should receive a link with your video file by **November 30** (no late submissions!). If possible, use youtube for ease of sharing and posting on the course website. However, let me know if you want/need to use some other method of delivery.

I will be happy to discuss your ideas and give any feedback on your progress, if you'd like.