

Instructions for PHY581 Final project
Oct. 15, 2018

Paper: Due by the end of the day on the last day of class, **Dec. 07, 2018**.

- Choose from the provided list of topics on a first come, first serve basis (see link at bottom of this document). If you want to choose a topic not on the list, contact me about whether it is appropriate or not.
- Using the provided template (see link below), papers should be between 3-5 pages including figures, but not references.
- Proper and extensive citations are expected. Only journal publications are allowed as references – no websites, etc.
- Papers must include both quantitative and descriptive portions. The basic physics is expected to be provided and described clearly.
- Make an account on Overleaf – it is a free LaTeX editor online (also under ShareLaTeX)
- Download the LaTeX template using the link at the bottom of this document
- Upload the template into the online editor
- For proper citations, go to Google Scholar and click on the citations link for a given paper (looks like quotes). Click on the link that reads, “BibTeX.” Copy the citation and add to your refs.bib folder.
- The final version of the paper in pdf form can be printed and turned in or emailed to me

Presentations: Will start on **Nov. 28, 2018**, and will last until we are finished. Will have roughly 3 presentations per day.

- Oral presentation will be on the same topic as the paper
- When choosing your topic, you will choose a time slot when you will present
- Use slides, e.g. PowerPoint is typical – presentation should be around 5 – 6 slides
- Presentation will last for ~12 minutes, and we will leave a couple of minutes for questions
- Each student must ask at least one question of another’s presentation. This will be part of your final grade.

Link to topics and time slots:

- https://docs.google.com/spreadsheets/d/1k1CgSQgBhIjJNC6uV2LL13St02dYKM_DxploszTHRkk/edit#gid=0

Link to LaTeX template:

- <http://www.physics.nau.edu/~gibbs/template>