Physics 192 Final Project

For your final project you will work in a group to make a video. The video should be 4-5 minutes in length. It should provide information for non-experts on one of the following topics:

- Critical thinking.
- Logical fallacies.
- Pseudoscience.

The topic can be an example of something you learned in Phys 192, or it can be about a topic we did not cover in class. Your target audience is other college students who did not take PHYS 192 and might not know about this topic. As a consequence, your video should explain the topic in a clear way and is hopefully entertaining. You should support the video with a short paper (3-5 pages) that further explains the topic and provides references.

Although you and your teammates will have a lot of freedom on the content of your video project, your idea must first be approved by Professor Pitts. Some examples of possibilities on what to do your video project on are:

- Creationism/Intelligent Design/Evolution
- Homeopathy
- A specific conspiracy theory

In all cases, remember that your main objective is to make an educational video. Make sure that you are ultimately explaining or clarifying some topic for the viewer. The format can make it fun and interesting, so please be creative with the format and approach.

If you come up with something different you are free to do that as well. All projects must first be approved. If none of these examples speak to you but you can’t think of anything else, feel free to contact me for more ideas.

Equipment. We will provide you with a video camera and tripod. You are responsible for the equipment.

Suggestions for sharing the work. All teammates are expected to contribute to this project. Think about how you might divide up the project. Take advantage of individual’s expertise and preferences. For example, your team might look like this:

- One person works on the script
- One person is responsible for the camera/video
- One person helps to set up the shots or demonstrations
- One person does video editing

You can share these tasks as needed. One person might write the script, but the rest of the team should have input. This is a team project. Your team will be graded both on the quality of the work and also on the level of effort each person contributed.
Format for submission and grading. You will turn in your video (in .wmv format) and other assigned materials via web upload. Upload instructions will come later. We will watch all videos in class on December 4. You will evaluate all videos. You will also evaluate yourself and your teammates. The evaluations will be utilized in grading. Students who contributed less to the project will have their grade reduced accordingly.

Teams. Video teams are as follows:

Team 1: Elle, Yecheng, Theo, Varun
Team 2: Jin, Dakota, Enrique, Daniel
Team 3: Patrick, Jiwei, Johnny, Kaci
Team 4: Mark, Jordan, Chalum, Tianxing

Timeline: Deliverables as follows:
- October 19, preliminary group reports in class
- October 26, written submission of final topic (including references) and outline for video
- November 2, first draft of script for video, outline of shooting plan and itemization of responsibilities
- November 13, first draft of supporting paper
- November 16, first review of team effort, in class update from each group
- November 30, raw video footage
- December 4, full video due, full paper due, second review of team effort
- December 7, final video viewing

Submitting low quality work at any stage, or missing any of these deadlines will result in a 10% drop in total grade.