**Chapter 14 – Classical Mechanics Final Exam**

* The date of your exam is Thursday, May 12, 2022.

As a class, you have elected to present topics from Chapter 14 in lieu of a written exam. As such, each of you will present subject matter from each of sections 1- 6 in Chapter 14, including example problem(s) from each section and/or end-of-chapter problems from each of the aforementioned sections.

1. My preference would be for the class to divvy up and make presentations in groups of 2 (obviously, there will be an extra person in one of the groups). I will not be assigning groups; you may work with whomever you wish.
2. Each group will be required to make a 30-to-40-minute presentation. This amounts to an average of 15 to 20 minutes per person for each individual presentation, with the group of 3 making a 45-minute presentation (but no more than a 60-minute presentation). There will be a short ‘chill’ break.
3. Presentations must be informative, reasonably developed, coherent, and utilize no less than the allotted time. Understandably, points will be deducted for presentations that are poorly developed, incoherent, or run less than the allotted time.
4. Each group should provide yours truly with a script of your presentation, including solved problems.
5. You have the latitude to use any and all resources in the research, development, and presentation of your topic. You are encouraged to view on-line videos that may be helpful.
6. You are also encouraged to work/discuss things together as a class in the development and clarification of concepts.
7. You have the option of presenting information linked to any of the chapter 14 section 1-6 topics that you may find interesting. Remember, however, that a clear conceptual foundation must be first established as an appropriate frame-of-reference so that your presentation will make sense. (However you choose to proceed, do ensure that you also solve one or more problems during your presentation.)
8. I would like for this exam experience to be one that is not only educational, but also positive, and enjoyable.
9. Remember, this is **YOUR r**esearch project. **DO** implement the research/analysis of your topic **IMMEDIATELY. DO NOT WAIT UNTIL THE PROVERBIAL ‘LAST MINUTE’.**