Physics 736 - Course Project Proposal

As part of Physics 736 everyone will complete a course project. The goal of the course project is to introduce you to the process of (1) defining your own research goals, (2) working through a set of questions that you define yourself, and (3) presenting the results of your work to an audience. This is an opportunity for independent study and to apply some of the concepts you learned in class. The process of the course project is similar to your graduate research experience leading up to the qualifying exam. The course project can be related to your research interests. You can work on a project in groups up to three people.

1 Instructions

The proposals/outlines for your course projects are due on Monday April 22, 2013 at 1pm. Please email a PDF of your project outline to heeger@wisc.edu. I strongly suggest to discuss your course project ideas with me before you finalize them. Your project outline will be your roadmap for working through the different stages of your project in the coming weeks.

All projects will be presented in class during the week of May 6-10, 2013. I expect your course project outline to contain the following elements:

1. Title

2. Abstract
   Write this as a scientific abstract for a paper, proposal, or study.

3. Project outline and goals
   Define the scope of your project. List and describe the goals. Be as specific as possible and prioritize your goals.

4. Presentation Plans
   For a joint project between two or more people outline how you plan to divide up the presentation.

5. References
   List the essential references that will be the starting point for your project. For example, I suggest that you include some specific references to the experiments that you will discuss or the numerical and statistical techniques you plan to use.

Finally, ask if you have any questions and/or email me at heeger@wisc.edu.

Updated April 15, 2013