

Homework Assignment #1

(due: Tuesday, January 24, 8:00 am)
answer via Account Entry on our webpage

1. Read the Course Information. Do you have any questions about the course? Answer to this question should be “done” and/or any questions.

2. Start looking for the topic of your project. You will present on Tuesday in class your first ideas and findings. A first version of your bibliography will be due in a week (Jan. 22). For your search use the Web of Science etc. (as shown in class). Your written answer to this question should include references for the papers/books you found and summarize (keywords fine) the main topic you plan to work on.

3. Sign-up for an individual meeting (see “Sign-Up Sheet for Individual Meetings (Jan. 2015)”) on our webpage:

<http://www.eg.bucknell.edu/~kvollmay/phys338-s2015/>)

Purpose of these meetings is to ensure each one you help for finding your research topic for the semester long project. Please come prepared to your meeting (which means working on 2. of this homework assignment and bringing hardcopies of the papers & books you found), so that I can give you most efficient help.

4. To get ready for programming familiarize yourself with Linux. Work through the “Linux Exercise”. In case you are completely new to Linux and/or computers at all, please come to my office! You may also sign up twice on the sign-up sheet, so that we can use one of the individual meetings to get you started on linux. (Answer to this question should be “done”.) I will check that you all have `share.dir/` and that you have set the permission right. On Tuesday we will start programming, so you will need to have done this Linux Exercise (even if you are an advanced linux user).

5. Since there is no textbook requirement, I do require as answer to this question, that you list the python book you have and/or the webpage(s) you will use as reference for python programming. (Once we find our favorite webpages, I can add the links to our webpage.)

6. On Tuesday we will dive into writing python programs. Prepare for the class by looking up how one reads in and prints out data and how one can do repetitions.

7. **Comments:** Do you have any comments about last class and/or this course in general?