

## Homework Assignment #1

(due: Tuesday, January 25, 8:00 am )

Please emails (kvollmay@bucknell.edu) only as textfiles!!! (no word doc.)

1. Read the Course Information (hand out with picture). 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. For your search use the Web of Knowledge 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 Capstone Meetings (January 2011)” on our webpage:  
[http://www.eg.bucknell.edu/~kvollmay/caps\\_s2011/](http://www.eg.bucknell.edu/~kvollmay/caps_s2011/) )  
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), 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 C++. (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 C++ book you have and/or the webpage(s) you will use as reference for C++ programming. (Once we find our favorite webpages, I can add the links to our webpage.)
6. On Tuesday we will dive into writing C++ programs. Prepare for the class by looking up how one reads in and prints out data and how one can do repetitions. Use the handouts AND your reference(s) from 5. (The answer to this question may be in the form of keywords.)
7. **Comments:** Do you have any comments about last class and/or this course in general?