NOTES FOR THE FINAL EXAM-- MAY 2015

The final exam will be held in the usual classroom in our normal classroom on Saturday, 2 May 2015 from 1 : 00 - 3 : 00 with additional time (say an additional half or so) to make sure strudents can finish. The exam will be closed book, closed note and no calculators or other electronic devices will be allowed. Please make sure cell phones/laptops/etc are turned off and put away before the exam starts.

I will provde a list of formulae and results for everything you will need (except for very elementary items like integrating and differentiating basic functions and solutions to simple ODEs like y'' - y = 0 or y'' + y = 0). The exam is comprehensive, so if we did it in class, lab, classnote or reading assignment, it is fair game for the final exam. Some of the questions on the final will test your ability to solve problems to calculate a final result (the typical sort of problem you might see on homework and on the earlier hour exams). Other questions on the final will probe more deeply to test your understanding of a topic. I might ask you why a certain solution is possible, or present an incorrect solution and ask you to explain the error (s) and how you might correct them.

In terms of coverage, material related to generating functions, Legendre series and partial differential equations will be a bit overrepresented on the final since we have not covered those topics on any hour exam. I anticipate approximately 20 -25 % of the final will be devoted to these topics. There will be one or two *Mathematica* related questions, and the rest of the test will be roughly evenly divided between material covered on the first and second hour exams.

My office hours (all in Cudahy Science 404) for exam week are:

- T from 10:00-12:00
- W from 1:00-3:00
- Th from 10:00-12:00 and from 1:30-3:30
- F from 10:00-12:00 and from 1:00-3:00