Physics 470/570 **Information for Final Exam**

- Date, time, place Wednesday, December 13, 2017, 8:00AM-10:00AM, La Tourette 227.
- Do bring
  - Pencils (or pens)
  - THREE standard 8.5 × 11 sheets of paper with anything you want written **entirely in your own original handwriting**. You may use only one side of each sheet. **No photocopying or mechanical printing allowed!** These sheets are to be turned in with test.
- No need to bring (and not to be used)
  - Books, paper, blue books, calculators or other electronic devices of any kind, or notes other than described above.
- Provided for you
  - Vector derivative formulas, vector identities, and rectangular, spherical and cylindrical coordinate information (just like midterm, as at `http://www.niu.edu/spmartin/formulas.pdf`).
  - blue books (and extra blank paper)
- What to study
  - Topics, concepts and techniques covered in class and the homework, with a strong emphasis on material covered in homework sets 6-11. This corresponds mainly to Chapters 8, 9, 10, and 11 (up to and including section 11.2.1) of Griffiths. Your best use of time is to **first study homework problems, the concepts that they involve, and directly related concepts**.
  - There will NOT be questions on elliptical polarization, tensors, rainbows, section 10.2.2, or anything after section 11.2.1.

Solutions for homework set 11 are available at the end of class on Friday, December 8.