- <u>Date, time, place</u>   Friday October 27, 2017, 9:00 - 9:59 am, La Tourette 227. **YOU MAY START THE EXAM AS EARLY AS 8:45. The exam is "designed" to take less than 1 hour.**

- <u>Do bring</u>

  - Pencils (or pens)

  - Two standard $8\frac{1}{2}'' \times 11''$ sheets of paper with anything you want *in your own original handwriting*. **No photocopying, computer printing, or other mechanical printing allowed!** You may use only one side of each sheet. You will turn in these sheets with your test. Write as small as you wish, but if you write much smaller than you normally would, you are probably overdoing it.

- <u>No need to bring (and not to be used)</u>

  - Books, blank paper, calculators, electronic devices, notes other than described above

- <u>Provided for you</u>

  - Vector derivative formulas, vector identities, and rectangular, spherical and cylindrical coordinates as at `http://www.niu.edu/spmartin/formulas.pdf`

  - Blue book

  - extra paper

- <u>What to study</u>

  - Topics, concepts and techniques covered in class and/or the homework, up to and including homework set 7 and section 9.3.2 of Griffiths. Studying homework problems, and the concepts that they involve, is your best use of time. There will be no questions that cover tensors or elliptical polarization.