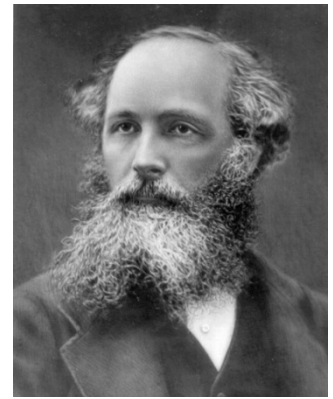


Spring 2009

## Physics 450 Electricity and Magnetism



**Instructor:** Moataz H. Emam - Department of Physics  
Bowers 127, phone (607) 753 2914  
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**Office Hours :** Monday and Wednesday 10:00 – 11:00, Tuesday 1:00 – 2:00,  
otherwise by appointment

**Class Schedule:** MWF 1:50 – 2:55 pm, Bowers 154

**Textbook:** “*Electromagnetic Fields*” Second edition by R.K. Wangness  
Optional online sources:  
<http://monopole.ph.qmw.ac.uk/~bill/emt/LecNotes.html>  
<http://farside.ph.utexas.edu/teaching/jk1/jk1.html>  
<http://www.plasma.uu.se/CED/Book/>

<b>Grading:</b>	Assignments	40%	Weekly
	Midterm	30%	<i>Late homeworks <b>not</b> accepted</i>
	Final	30%	Friday March 13 in class
	In-class problems		Exams period

Possible in-class practice problems whose grades will contribute to homeworks

**Exams:** The final exam is cumulative, *i.e.* will cover the entire course with particular emphasis on the second half.

**Syllabus:** We will follow the book, however, be advised that your **main source of material is the lecture**. The chapters that we will *roughly* cover are: 1 (Review), 2, 3 (except section 3.4), 4, 5, 6.1, 7.1, 8 (except section 8.4), 9, 10 (up to 10.5), 11, 12.1, 12.2, 14, 15, 16.1, 16.2, 17.1, 18.1, 19.1, 19.2, 20 (up to 20.4), 21, 22.1, 22.3, and if time allows: 24, 25, 28 and 29

**Note:** If you are a student with a disability and wish to request accommodations, please contact Disability Services located in Van Hoesen Hall, Room B-40, or call (607) 753-2066 for an appointment. Any information regarding your disability will remain confidential. Because many accommodations require early planning, requests for accommodations will be reviewed in a timely manner to determine their appropriateness to this setting.