

## Physics 422: Electricity and Magnetism (Spring 2008)

### Instructor

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### Office Hours

M F 3pm-5pm and by appointment.

### Text

Introduction to Electrodynamics by David J. Griffiths, 3<sup>rd</sup> edition  
We will cover chapters 8-12

### Grading

20% Homework  
20% Midterm 1  
20% Midterm 2  
40% Final

### Midterms

Midterms will be held in class - allowed materials will be announced.

A photocopy of the inside front and back covers of Griffiths' text will be provided.

Standard math tables are allowed (e.g. Dwight)

### Final

The final will be comprehensive covering material from both midterms as well as material not yet tested up to the date of final

### Homework

Homework will be assigned approximately every week, due one week from the date of assignment (see calendar for due dates). No late homework will be accepted as solutions will be given back or posted.

**PHYS 422/522**

Lecture	Date	Chapters	Homework
1	15-Jan	8.1-8.2	
2	17-Jan	Review Ch8	
3	22-Jan	9.1	
4	24-Jan	9.1	8.4, 8.5, 8.7, 8.9, 8.11-8.14
5	29-Jan	9.2	
6	31-Jan	9.3	9.1, 9.2, 9.3, 9.5, 9.8, 9.10, 9.11, 9.12
7	5-Feb	9.4	
8	7-Feb	9.4	9.13, 9.14, 9.17, 9.18, 9.19
9	12-Feb	9.5	
10	14-Feb	Review Ch 9	9.21, 9.23, 9.23, 9.25, 9.27, 9.28, 9.30, 9.35,9.36
11	19-Feb	Exam1 (Ch 8-9)	
12	21-Feb	Exam Review	
13	26-Feb	10.1	
14	28-Feb	10.2	
15	4-Mar	10.3	
16	6-Mar	Review Ch 10	10.1, 10.3-10.7, 10.10-10.14, 10.23
17	11-Mar	11.1	
18	13-Mar	11.2	
19	18-Mar	Review Ch 11	11.2, 11.3, 11.5-11.10, 11.13-11.15, 11.18, 11.20
20	20-Mar	Exam 2 (Ch 10-11)	
21	1-Apr	Exam Review	
22	2-Apr	12.1	
23	8-Apr	12.1	
24	10-Apr	12.2	12.1-12.9, 12.15-12.19
25	15-Apr	12.2	
26	17-Apr	12.3	
27	22-Apr	12.3	
28	24-Apr	Review Ch 12	12.20-12.22, 12.24-12.29, 12.33-12.35, 12.43, 12.48, 12.51
29	29-Apr	Review	
30	1-May	Review	