

PHYS 418/518, Electricity and Magnetism
Course Syllabus (2015)

Instructor: Liangfeng Sun

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Class time: MWF, 10:30 PM-11:20 PM

Office hours: Weekdays, 1:30 PM – 2:00 PM

Text book: Introduction to Electrodynamics 4th ed. by David J. Griffiths

COURSE TOPICS OUTLINE:

Math review (Ch 1)

Electrostatics (Ch 2)

Potentials (Ch 3)

Electric fields in matter (Ch 4)

Magnetostatics (Ch 5)

Magnetic fields in matter (Ch 6)

Electrodynamics (Ch 7)

Exams

- There will be a mid-term exam and a final exam.
- If you know in advance that you will be absent for exam, it is your responsibility to make arrangements with the instructor in advance

Homework

- Homework problems will be assigned every week and due on the following Monday.
- Monday classes will be devoted for problem solving and discussion. Everyone have multiple chances to show their homework on the blackboard and get grades.

Grading

Homework=100; Mid-term Exam =100; Final Exam=100

Total=300 points A=90% B=80% C=70% D=60% F<60%