
Phys 402: Electromagnetic Theory II

Syllabus

Instructor

Electrostatics, electric and magnetic properties of matter, Maxwell's equations and their solutions, propagation and radiation of electromagnetic waves.

Prerequisites: Phys 401 (Minimum grade: D), Math 353 (Minimum grade: D).

Class Schedule: T TH 1:00 PM - 2:15 PM, Lewis Hall 228

Textbook:

- David J. Griffiths, Introduction to electrodynamics. Upper Saddle River, N.J. : Prentice Hall, c1999. Paperback. ISBN: 9780138053260.

Course Credit Hours: 3

Evaluation

Grade Type: Plus/minus letter grade (A - F)

Grade Ranges:

- A: .. 88% and up
- B: 75-87%
- C: 60-74%
- D: 40-59%
- F: less than 40%

These values are tentative, but will not be higher than indicated here.

Grade Percentage:

- 30% Homework & Quizzes
- 20% In-class test 1
- 20% In-class test 2
- 30% Final Exam

Homework:

Homework assignments will be announced in class. Late homeworks will not normally be accepted, but students may be excused from turning in an assignment if there is a valid reason. If a student joined the class late, or has extended unavoidable absences the instructor may make some adjustments to the homework policy. Homeworks must be turned in at the beginning of class on the day they are due.

Homeworks must be easy to read; please do not use red pen; staple the pages together. Student full name and problem set number must be written on the first page of the homework.

In-class tests and final exam:

In-class tests and final exam will consist of problems to be worked out. **Failure to do either of the in-class tests or the final exam will result in an F grade.** Students will be allowed to use a calculator and may be provided with an equation sheet by the instructor if needed. No use of notes or books will be allowed during in-class tests and exams. Homeworks and tests must be easy to read. Students should not use red pen and should staple the pages together. Student name and problem set number should be clearly written on the first page. All returned tests and homeworks should be kept by students until the final grade of the course has been posted by the instructor.

Course Attendance Policy

All students are required to be present for all class meetings.

Academic integrity

Students are responsible for knowing and adhering to the academic integrity policy of the University of Mississippi listed in the Student Academic Conduct and Discipline [Policy number 10000600, Code ACA.AR.600.001](#). Examples of academic misconduct include but not limited to cheating and plagiarism. Any academic misconduct will be reported to the Academic Discipline Committee.

Non-Discrimination policy

It is the policy of the University of Mississippi not to discriminate against anyone on the basis of race, color, religion, sex, national origin, handicap, age, sexual orientation or being a disabled veteran or veteran of the Vietnam era. Students are encouraged to freely examine and exchange diverse ideas both inside and outside the classroom.

Changes to syllabus

If a revision of the syllabus becomes necessary during the semester, it will be discussed in class. Any changes to the syllabus will be posted on the course website.