

PH446/54-1B (UA=>UAB H.323)
Time: MWF 9:00-9:50
UAB CLASSROOM: CH-394

Spring 2010

UA Lecturer: Philip Coulter
OFFICE: 219 GALLALEE
OFFICE HOURS: by appointment

TELEPHONE: 348-7869; email: pcoulter@comcast.net;
<http://www.bama.ua.edu/~pcoulter/PH332/>

UAB Instructor: David Shealy
OFFICE: CH310-c
OFFICE HOURS: by appointment
TELEPHONE: 205-934-8068; email: dls@uab.edu; www.phy.uab.edu/~shealy
UAB E&M Recitation Sessions: W noon-1pm (CH304) and F 10-11am (CH394)

TEXT: Introduction to Electrodynamics by David J. Griffiths

FIRST TEST: February 10

SECOND TEST: March 12

THIRD TEST: April 23

FINAL EXAMINATION:

UA: May 7 (Friday) 8:00-10:30 a.m.

UAB: May 3 (Monday) 8:00-10:30am

COURSE CONTENT: The subject matter for this course includes magnetic fields, electrodynamics, electromagnetic waves, and special relativity.

COURSE OBJECTIVES: To provide you with the background in electricity and magnetism necessary for graduate work or employment in physics.

GENERAL NOTES: Class attendance is expected and encouraged, but I will not take attendance. Regular homework assignments will be made and homework must be turned in on or before the date specified. No make-up tests will be given. If you have a valid excuse for missing a test, your final exam grade will be weighted more heavily.

TESTS AND THE FINAL EXAM: Each test will be based on material covered since the previous test, but it may be necessary to apply material previously covered or material from prerequisite courses. You must bring a hand calculator to the tests. The final exam will be comprehensive.

COURSE GRADES: Your grade will be based on homework (25%), three in class tests (15% each), and the final exam (30%). At UAB, *Graduate Students enrolled in PH546 are assumed to have had more exposure to introductory physics concepts and are expected to utilize this in answering homework and exam questions. This expectation is reflected in the assignment of partial credit on exams and homework. When comparing scores on exams and homework with undergraduates enrolled in PH446, students should keep this difference in mind.*

DISABILITY ACCOMMODATIONS: To request disability accommodations, you must first contact Disabilities Services. After initial arrangements are made with that office, contact your professor.