

PH445/545-4A (UA=>UAB H.323)

FALL 2009

Time: MWF 9:00-9:50

UAB CLASSROOM: CH-394

UA Lecturer: Philip Coulter

OFFICE: 219 GALLALEE

OFFICE HOURS: by appointment

TELEPHONE: 348-7869; email: pcoulter@bama.ua.edu;

<http://bama.ua.edu/~pcoulter/PH331-F09/>

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: MW 10-11am, CH394

TEXT: Introduction to Electrodynamics by David J. Griffiths

FIRST TEST: September 21

SECOND TEST: October 23

THIRD TEST: November 23

FINAL EXAMINATION: December 9 (Tuesday) 8:00-10:30 a.m..

COURSE CONTENT: The subject matter for this course includes vector calculus, electrostatics, electric fields in matter, and magnetostatics..

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%).

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