

NORTHERN ARIZONA UNIVERSITY
Department of Physics and Astronomy
PHY 331-ELECTRICITY AND MAGNETISM I
Spring 2008, Class No. 7148

PROFESSOR: Dr. William G. Delinger; Office: Rm. 310, Bldg. 19; Office Hours: MWF 11:00 AM-12:00 PM, other times happily by appointment. If you see me in my office, please feel free to stop for a visit. Office phone: 523-2042, Home phone: 779-2520, Email address: William.Delinger@nau.edu

CLASS MEETING: 9:10-10:00 AM, MWF, Rm. 321, Bldg. 19.

TEXTBOOK: *Introduction to Electrodynamics* by David Griffiths, Third Edition (1999), Prentice Hall, ISBN 0-13-805326-X

NAU POLICIES: <http://jan.ucc.nau.edu/academicadmin/policy1.html>
<http://www4.nau.edu/stulife/handbookmanagement.htm>

TOPICS:

- Ch. 1 Vector Analysis
- Ch. 2 Electrostatics
- Ch. 3 Special Techniques
- Ch. 4 Electrostatic Fields in Matter
- Ch. 5 Magnetostatics
- Ch. 6 Magnetic Fields in Matter

HOMEWORK: Doing the problems assigned as homework is essential to gain a complete understanding of the concepts and methods developed in the course. Working with others and getting help on the homework is permissible. Make sure, however, you are doing your part in the problem solving process.

QUIZZES: The total number of quizzes will be 11 of which the lowest quiz will be dropped. There will be no make-up quizzes. Quizzes will be given each Friday unless a major examination occurs in the week.

EXAMS: Two major exams and a comprehensive final exam will be given. The final exam is scheduled from 7:30 to 9:30 AM on Wednesday, 7 May 2008.

GRADING: Grades will be assigned by point totals accumulated from homework, quizzes and examinations. The following percentages will be assigned: Homework (20%), Quizzes (20%), Two Exams (40%, 20% each), Final Exam (20%). Grades may be curved, but will generally be in accord with the following approximate percentages of the total points: **A** (90-100%), **B** (80-89%), **C** (65-79%), **D** (50-64%), **F** (< 50%).