

Class meets T Th 3-4:15p

Prerequisites: Physics I (151) with grade of C or better, or instructor permission.

Recommended (but not required) concurrent course: Physics II Lab (Tues, Noon-2:45p)

Instructor's office & hours—A126A, Hours MW 3:15-4p; T 4:15-5:30p; Th 11:45a-12:30p, 1:15-2:45p, 4:15-6:15p.
wcmurray@unm.edu 505-925-8727

Text: College Physics 7th ed., Wilson, Buffa, & Lou

As in Physics I, a calculator having trig functions and powers-of-ten capability will often be useful.

Student Learning Objectives: To be able to explain and solve problems involving: electric fields, forces, and potential (voltage); a.c. and d.c. circuits; magnetism; electromagnetic induction; electromagnetic waves; concepts of quantum, atomic, and nuclear physics; recent hypotheses and observations of elementary particles and the Universe; selected results from Einstein's relativity theory.

Policies and Notices:

**After four accumulated absences, the student may be dropped by the instructor without further notice.*

**"Makeup" tests will be given only at the instructor's discretion—in other words, the instructor is free to not give a makeup. If a makeup is given, expect a maximum score of 85%, because of (i) the unfair advantage of a makeup over students who took the test on time, and (ii) the additional time and effort required of the instructor in preparing, scheduling, administering, and grading the makeup.*

**Late homework.* Credit will be reduced by 50% if one day late; minus 100% if two or more days late. Homework due dates are indicated on the schedule attached to this syllabus.

**Persistent disruptive behavior*, such as loud talking, ridiculing or intimidating the instructor or other students, or other forms of distraction, will result in the offender being dismissed and dropped from the class.

**Cell phones* Off, please, during class. No text messaging in class. No calls in or out of room during tests.

**Reporting Sexual Misconduct:* Any report of sexual misconduct or gender discrimination made to a UNM faculty member, TA, or GA must be reported to the Office of Equal Opportunity and the Title IX Coordinator. For more information on UNM policy re sexual misconduct see <https://policy.unm.edu/university-policies/2000/2740.html>

**If you have a documented physical disability* which could interfere with learning in a standard classroom environment, please inform the instructor so we can make appropriate accommodations.

***Final Exam Minimum Grade is 65%** in order to receive above a "D", regardless of other test or homework scores.

Grading:	Maximum points
Homework	100
4 tests	400
Drop lowest one of tests or homework:	-100
Final exam (not dropped)	<u>150</u> (min 97.5 (65%) to receive higher than a "D".)
	550 Max poss course total

("x" = student's total accumulated points)

$536 \leq x \leq 550$ A+ (unless a test is missed, or homework score is less than 50%).

$509 \leq x < 536$ A (unless a test is missed, or homework score is less than 50%)

$495 \leq x < 509$ A-

$481 \leq x < 495$ B+

$454 \leq x < 481$ B

$440 \leq x < 454$ B-

$426 \leq x < 440$ C+

$399 \leq x < 426$ C

$385 \leq x < 399$ C-

$330 \leq x < 385$ D

$x < 330$ F