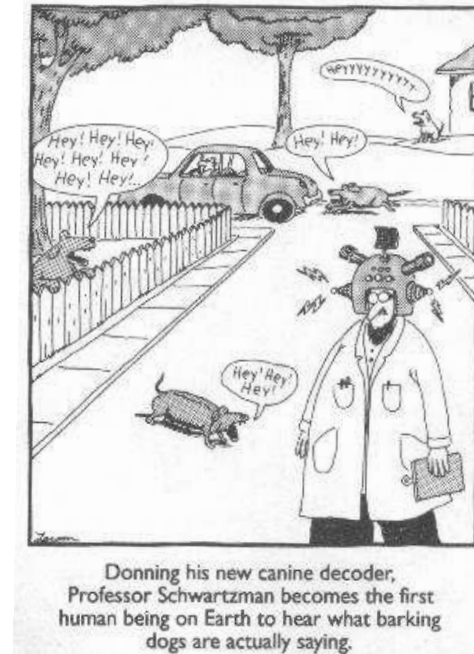


Fall 2009
PHYS 121
GENERAL PHYSICS I
Professor Minschwaner

Time: Lectures MWF 9:00 - 9:50
 Recitations: T 1830-2030, W 1400-1600, R 1830-2030
 Location: Workman 101 (lecture), 109 (Recitations)
 Text: Wolfson, **Essential University Physics, V1**
 Contact: Ken Minschwaner (Workman 309, x5226)
 email *krm@nmt.edu*



Approximate Schedule of Topics

DATES	CHAP	TOPICS	LAB
8/26-28	1	Units, intro	No Labs
8/31-9/4	2,3	Motion in 1,2,&3D	Lab 1: Meas uncert
9/9-9/11	4	Force & Motion	No Labs (Labor Day)
9/14-18	4	Newton's laws	Lab 2: Accel of grav
9/21-25	5	Applying Newton's laws	Lab 3: Projectiles
9/28-10/2	6	Work energy, & power	Lab 4: Newton's laws I
10/5-9	7	Energy conservation	Lab 4: Newton's laws II
10/12-16	9	Systems of particles	Lab 5: Binary stars
10/19-21	10	Rotational motion	Lab 6: Collisions
10/26-30	11	Angular momentum	Lab 8: Rotational energy
11/2-6	8	Gravity	Lab 9: Angular momentum
11/9-13	13	Oscillations	Lab 10: Gyroscopic motion
11/16-20	14	Waves	Lab 11: Harmonic Oscillator
11/23-25	16,17	Temperature, heat	No Lab (Thanksgiving)
11/30-12/4	18	First law of thermodynamics	Lab 12: Waves
12/7-11	19	Second law of thermodynamics	No labs

Homework:

There will be a mix of computer based (Mastering Physics) and end-of-chapter written homework assignments. Problems will be assigned every week. The written assignments will be discussed during recitation periods and generally due on Fridays. **You must be able to attend a weekly recitation section in order to pass this course. Make sure that your recitation corresponds to section 121-02.**

Quizzes:

Short (20-30 minute) quizzes will be given at the beginning of recitations. The remainder of recitation periods will be used to discuss the homework.

Exams:

There will be 2 short exams given on Oct 5 and Nov 9. We will have a comprehensive final exam (time and place TBD).

Grading:

Homework will count towards 25% of your overall grade (written and computer-based homework scores will be combined). The recitation quiz average will contribute 15%, and the short exams will each contribute 15%. Clicker points will kick in 5%. The final exam will make up the remaining 25%.

Letter grades will be based on the following:

LETTER	NUMERICAL TOTAL
A	90-100
B	80-90
C	70-80
D	60-70