

PHYS. 121 – CLASSICAL MECHANICS

Syllabus –Fall 2008

Homework Probs + Reading Asst's are designed to take 10 hours/week (not counting labs)

Week	Reading Assignment	Lecture Topic / Homework	Recitation Quiz/HW LAB
1 8/27-29	Doing Physics Ch.1	HW#1 Learn MP Software, SI Units HW #1 MP: 8/30 1 am	NO LAB Physics Assessment
2 9/3-5	Straight-line motion Ch. 2	HW#2 1-D motion MP: 9/6 1 am	NO LAB HW #2
3 9/8-12	2-D & 3-D motion Ch. 3	HW#3 2-D, 3-D motion MP: 9/13 1 am	Ch. 1-2 Quiz1/ HW #3 LAB #1- Measurement Uncertainty
4 9/15-19	Force & Motion Ch. 4	HW#4 Force & Motion MP: 9/20 1 am	Ch. 3 Quiz2/ HW #4 LAB #2- Accel of Gravity
5 9/22-26	Newtons Laws Ch. 5	HW#5 Newton's Laws MP: 9/27 1 am	Ch. 4 Quiz3 / HW #5 LAB #3- Projectile Motion
6 9/29-10/3	Work & Energy Ch 6	HW#6 Newton's Laws MP: 10/4 1 am	Ch. 5 Quiz4 / HW #6 LAB #4- Newton's Laws I
7 10/6-10	Energy Cons. Ch. 7	HW#7 Work and Energy MP: 10/11 1 am	Ch. 6 Quiz5 / HW #7 LAB #5– Newton's Laws II
8 10/13-17	Particle Systems Ch. 9	HW#8 Energy Cons. & Systems MP: 10/18 1 am	Recitation: MIDTERM EXAM LAB #6– Binary Stars
9 10/20-22	Rotational Motion Ch. 10	HW#9 Systems & Rotation MP: 10/25 1 am	Ch. 7 Quiz6 /HW #9 LAB #7 – Collisions
10 10/27-31	Rotational Vect. & Mom. Ch. 11	HW#10 Rotational Vectors MP: 11/1 1 am	Ch. 9, 10 Quiz7 / HW #10 LAB #8 – Rolling w/o Slipping
11 11/3-7	Gravity Ch. 8	HW#11 Gravity MP: 11/8 1 am	Ch. 11 Quiz8 / HW #11 LAB #9 – Angular Momentum
12 11/10-14	Oscillations & Waves Ch. 13, 14.1-14.3	HW#12 Oscillations MP: 11/15 1 am	Ch. 8 Quiz9/HW #12 LAB #10 – Gyroscopes
13 11/17-21	Waves and Fluids Ch. 14.4-15	HW#13 Waves MP: 11/22 1 am	Ch. 13-14 Quiz10 / HW #13 LAB #11 –Harmonic Oscillator
14 11/24-26	Temperature and Heat Ch. 16-17	HW#14 Temperature MP: 11/26 1 am	No Quiz / HW #14 NO LAB
15 12/1-5	Thermo- Ch. 18-19	HW#15 Thermo MP: 12/6 1 am	Ch. 16/17 Quiz11 / Review LAB #12 – Wave Propagation
16 12/8-12	Thermo- Ch. 18-19	HW#15 Review Assignment	Review NO LAB
17	12/13-19	FINAL EXAM TBA	