Physics 201 College Physics (Sects. 509-512) Spring 2007

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Text: *College Physics* 8th Ed. by Young&Geller; Physics 201 Lab Manual (published by Hayden-McNeil)

Course Grade: 3 Midterm Exams 54%, Final 20%, Lab 10%, Recitation (quizzes) 5%, Homework 11%

Note: You must achieve a 70% or better in the laboratory in order to pass the course.
If your grade on the final exam is higher than your lowest grade on one of the 3 midterm exams, the grade on the final exam will replace that one lowest midterm-exam grade in computing the course grade. The final-exam grade **cannot** be used to replace a midterm exam that has been missed.

January 24, 5pm, is the last day to drop with no record; April 2 is the last day to Q-drop
Final Exam: Fri, May 04, 3-5pm

Syllabus:

Week	Date	Topic	Sections in Text	Homework
1	Jan. 16 T	Units; Vectors	1:1–8	1: CQ4,12,14; MC6,9,13; 1: P2,5,9,37,44,45,46,49,61,62
	Jan. 18 R	Velocity; Acceleration	2:1–5	2: CQ4,6,14,15; MC3,5,12,13 2: P3,6,12,17,20,25,34,35,40,45,46
2	Jan. 23 T	Free Fall; Projectiles	2:6; 3:1–3	2: MC10,15; P49,51,57,59,68,71,76,81 3: CQ1; MC1,2,6,8,13; P5,8,13,20,22
	Jan. 25 R	Circular Motion; Relative Velocity Newton's Laws	3:4–5; 2:7; 4:1–3	3: P23,38,40,41 3: P49,55,64,65
3	Jan. 30 T	Force Diagrams, Applications	4:4–6; 5:1–2	4: MC2,5,15,16; P5,11,20,35,39 4: P43,51,54,57
	Feb. 01 R	Friction; Springs	5:3–5	5: CQ7,9,13; MC3,4,8,12,13 5: P3,12,13,16,23,25,29,33,39 5: P46,48,61,71,76,79,87
4	Feb. 06 T	Circular Motion; Satellites	6:1–5	6: MC1,4,6; P4,5,8,10,14 6: P27,33,42,49,53,57,58
	Feb. 08 R	Examples and Review		exam-I preparation
5	Feb. 13 T	**Exam I**	Chapters 1–6	
	Feb. 15 R	Work; Potential Energy	7:1–5	7: CQ6; MC5,7,8,14; P5,6,18,21 7: P25,30
6	Feb. 20 T	Conservation of Energy; Power	7:6–8	7: P45,48,52,53,59,62 7: P70,81,85,88,89
	Feb. 22 R	Momentum; Collisions	8:1–4	8: CQ10,15; MC1,8,9,11 8: P3,12,14,17,19,25,29
7	Feb. 27 T	Impulse; Center of Mass	8:5–7	8: P40,52,60,61,67,71,85
	Mar. 01 R	SHM	11:1–4	11: MC1,7,15; P1,7,26,28,31 11: P39,58,61,63

Week	Date	Topic	Sections in Text	Homework
8	Mar. 06 T	Rotational Kinematics	9:1–5	9: CQ2,3,8; MC5,6,16 9: P12,19,25,26,33,42,46,49,64,70
	Mar. 08 R	Rotational Dynamics; Angular Momentum	10:1–5	10: MC2,5,6,8,10 10: P2,9,11,19,28,31,34
–	Mar. 13 T	Spring Break (no class)		Prepare for
	Mar. 15 R	Spring Break (no class)		Exam II !
9	Mar. 20 T	Rotational Statics; Examples	10:6	10: P40,43,44,45,47,64,67,76,82
	Mar. 22 R	Pendulums; Review	11:5	11: P45
10	Mar. 27 T	**Exam II**	Chapters 7–11	
	Mar. 29 R	Waves; Standing Waves	12:1–6	12: MC3,4,5,6,7,9,11; P4,7,11,13
11	Apr. 03 T	Interference; Sound	12:7–12	12: P16,18,19,25,33,35
	Apr. 05 R	Temperature; Heat	14:1–7	14: MC4,5,10,13; P5,15,27,34 14: P44,46,54,57,64,75,76,85
12	Apr. 10 T	Ideal Gas; 1st Law	15:1–7	15: MC4,6,9,10,12,13,14,15 15: P7,12,23,26,33,39,43,45
	Apr. 12 R	Heat Engines	16:1–4	15: P52,56,59,64,73,76,80,83 16: MC2,6; P4,9,17
13	Apr. 17 T	2nd Law; Entropy	16:5–6	16: MC11,15; P19,25,30,36,45,47,57
	Apr. 19 R	Examples; Review		exam-III preparation
14	Apr. 24 T	**Exam III**	Chap 12,14–16	
	Apr. 26 R	Fluid Statics	13:1–3	13: MC1,3,4,5,6,11; P2,13,23 13: P29,32,33,35,61,66,67,68

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