Physics 201 College Physics **Fall 2007**

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

Grading: 4 Exams 60%, Final 20%, Lab 10%, Recitation (quizzes) 5%, Homework 5%

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 four exams during the semester, the grade on the Final will replace that one lowest exam grade in computing the course grade. The Final Exam grade **cannot** be used to replace an exam that has been missed.

August 31 is the last day to drop with no record; November 2 is the last day to Q-drop
Final Exam: Wed, Dec. 12, 8:00am-10:00am

Syllabus:

Week	Date	Topic	Sections in Text	Homework
1	Aug. 28 T	Units; Vectors	1:1–8	1: CQ4,12,14; MC6,9,13; 1: P2,5,9,44,45,46,49,61,62
	Aug. 30 R	Velocity; Acceleration	2:1–5	2: CQ4,6,14,15; MC3,5,12,13 2: P3,6,12,17,20,34,35,40,45,46
2	Sept. 4 T	Free-Fall; Projectiles	2:6; 3:1–3	2: MC10,15; P49,51,57,59,68,71,76,81
	Sept. 6 R	Circular Motion; Relative Velocity Newton's Laws	3:4–5; 2:7; 4:1–3	3: CQ1; MC1,2,6,8,13 3: P5,8,13,20,22,23,38 3: P40,41,49,55,64,65
3	Sept. 11 T	Force Diagrams, Applications	4:4–6; 5:1–2	4: MC2,5,15,16; P5,11,20,37 4: P51,52,54,57
	Sept. 13 R	Friction; Springs; Review	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	Sept. 18 T	**Exam I**	Chapters 1–5	
	Sept. 20 R	Circular Motion; Satellites	6:1–5	6: MC1,4,6; P4,5,8,10,14 6: P29,33,42,49,51,57,58
5	Sept. 25 T	Work; Potential Energy	7:1–5	7: CQ6; MC5,7,8,14
	Sept. 27 R	Conservation of Energy; Power	7:6–8	7: P5,6,18,21,25,30,45,48,52,53 7: P59,62,70,81,85,88,89
6	Oct. 2 T	Momentum; Collisions	8:1–4	8: CQ10,15; MC1,8,9,11
	Oct. 4 R	Impulse; Center of Mass; Review	8:5–7	8: P3,12,14,17,19,25,29,40 8: P52,60,61,67,71,85
7	Oct. 9 T	**Exam II**	Chapters 6–8	
	Oct. 11 R	Rotational Kinematics	9:1–5	9: CQ2,3,8; MC5,6,16 9: P12,19,25,26,33,42,46,49,64,70

Week	Date	Topic	Sections in Text	Homework
8	Oct. 16 T	Rotational Dynamics; Angular Momentum	10:1–5	10: MC2,5,6,8,10 10: P2,9,11,19,28,31,34,40,43,44
	Oct. 18 R	Rotational Statics; SHM	10:6; 11:1–2	10: 45,47,64,67,76,82
9	Oct. 23 T	SHM; Pendulums	11:3–5	11: MC1,7,15; P1,7,26
	Oct. 25 R	Examples; Review		11: P28,31,39,45,58,61,63
10	Oct. 30 T	**Exam III**	Chapters 9–11	
	Nov. 1 R	Waves; Standing Waves	12:1–6	
11	Nov. 6 T	Interference; Sound	12:7–12	12: MC3,4,5,6,7,9,11; P4,7,11,13 12: P16,18,19,25,33,35,44,54,56,57,68
	Nov. 8 R	Heat	14:1–7	14: MC4,5,10,13; P5,15,27,34 14: P44,46,54,57,64,75,76,85
12	Nov. 13 T	Ideal Gas; 1st Law	15:1–7	15: MC4,6,9,10,12,13,14,15
	Nov. 15 R	Heat Engines; 2nd Law	16:1–6	15: P7,12,23,26,33,39,43,45 15: P52,56,59,64,73,76,80,83
13	Nov. 20 T	Entropy; Review	16:7–8	16: MC2,6,11,15; P4,9,17 16: P19,25,30,36,45,47,57
	Nov. 22 R	Thanksgiving Holiday		
14	Nov. 27 T	**Exam IV**	Chapters 12, 14–16	
	Nov. 29 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
15	Dec. 4 T	Examples; Review		

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