Physics 201 College Physics **Fall 2004**

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Text: Physics 6th Ed. by Cutnell and Johnson and Physics 201 Lab Manual (published by Hayden-McNeil)

Grading:

4 Exams	60%
Final (Comprehensive)	20%
Laboratory	10%
Recitation (weekly quizzes)	5%
Homework (WebCT)	5%
	100%

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.

September 2 is the last day to drop with no record; November 5 is the last day to Q-drop
Final Exam: Wed, Dec 15, 3:30-5:30pm, HELD200

Syllabus: ("c" denotes Conceptual Questions)

Week	Date	Topic	Sections in Text	Problems
1	Aug. 31 T Sept. 2 R	Units; Vectors Velocity; Acceleration	1:1–9 2:1–3,7	1: 6,7,11,13,38,41,45,46,47,56; c1,c14,c15,c16,c17 2: 3,16,61,67,74
2	Sept. 7 T Sept. 9 R	Constant Acceleration; Kinematics in 2-dim Projectiles; Relative Velocity Newton's Laws	2:4–6,8; 3:1–2 3:3–5; 4:1–5	2: 19,24,31,39,43,44,45,47,48,68, 72,78; c1,c7,c12,c13 3: 6,16,17,21,22,30,35,51,53,64, 68,69,71; c2,c10,c12,c16
3	Sept. 14 T Sept. 16 R	Forces $F = ma$ Examples; Review	4:6–10 4:11-13	4: 1,9,11,15,28,32,38,40,44, 54,56,59,67,76,79,82,84,89,94; c4,c6,c11,c17,c18,c21,c26
4	Sept. 21 T Sept. 23 R	**Exam I** Circular Motion; Satellites	Chapters 1–4 5:1–8	5: 10,13,15,19,26,27,37,40, 49,54; c1,c6,c8,c14
5	Sept. 28 T Sept. 30 R	Work; Potential Energy Conservation of Energy; Power	6:1–3,9 6:4–8,10	6: 5,18,22,24,25,31,34,37,39, 42,44,45,46,50,58,67,73; c1,c2,c7,c14,c17
6	Oct. 5 T Oct. 7 R	Momentum; Collisions Collisions; Review	7:1–6	7: 11,19,21,28,30,32,34,35,45,46, 49,50,52; c4,c13,c20
7	Oct. 12 T Oct. 14 R	**Exam II** Rotational Motion; Statics	Chapters 5–7 8:1–6,8; 9:1–2	8: 19,21,23,32,35,44,47,57,63,66; c7,c9,c12

Week	Date	Topic	Sections in Text	Problems
8	Oct. 19 T	Rotational Dynamics; Angular Momentum	9:3–7	9: 2,6,9,12,15,24,31,37,38,47, 53,55,56,63,66,68,69,70; c5,c6,c8,c13,c18,c20,c23
	Oct. 21 R	SHM	10:1–9	10: 8,10,11,15,17,27,28,29,32, 35,41,59,77; c2,c6,c13
9	Oct. 26 T	Fluid Statics	11:1–6,12	11: 13,39,40,41,42,46,85,89,90; c12,c13,c14,c15
	Oct. 28 R	Examples; Review		
10	Nov. 2 T	**Exam III**	Chapters 8–11	
	Nov. 4 R	Expansion; Heat	12:1–8,11	12: 4,12,15,32,44,45,55, 78,79,87; c3
11	Nov. 9 T	Heat Transfer; Kinetic Theory	13:1–5; 14:1–3,5	13: 11,12,13,18,21,33; c5 14: 13,16,18,22,34,47,50,53; c11,c12,c13,c14
	Nov. 11 R	1st Law	15:1–6	
12	Nov. 16 T	2nd Law; Heat Engines; Entropy	15:7–13	15: 1,4,10,11,21,24,25,33,41,43, 49,64,69,73,75,78,80,82,88; c1,c2,c5,c6,c20,c23
	Nov. 18 R	Bonfire Memorial		
13	Nov. 23 T	**Exam IV**	Chapters 12–15	
	Nov. 25 R	Thanksgiving Holiday		
14	Nov. 30 T	Waves; Sound	16:1–10,12	16: 6,9,17,25,27,53,72,75,85, 87,91,93,99; c3,c4,c6,c15,c16,c17,c19
	Dec. 2 R	Superposition; Standing Waves	17:1–6,8	17: 5,6,7,17,24,27,29,37, 41,45; c1,c3,c14
15	Dec. 7 T	Examples; Review		

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