

Physics 201 College Physics

Fall 2009

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Text: Physics 8th Ed. by Young&Geller and Physics 201 Lab Manual 12th Ed. (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.

September 4 is the last day to drop with no record; November 6 is the last day to Q-drop

Final Exam: Dec. 14, 1–3:00 p.m.

Syllabus:

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Sections in Text</u>	<u>Homework</u>
1	Sept. 1 T	Units; Vectors	1:1–8	1: CQ4,12,14; MC6,9,13;
	Sept. 3 R	Velocity; Acceleration	2:1–5	1: P2,5,9,44,45,46,49,61,62 2: CQ4,6,14,15; MC3,5,12,13 2: P3,6,12,17,20,34,35,40,45,46
2	Sept. 8 T	Free-Fall; Projectiles	2:6; 3:1–3	2: MC10,15; P49,51,57,59,68,71,76,81
	Sept. 10 R	Circular Motion; Relative Velocity	3:4–5; 2:7	3: CQ1; MC1,2,6,8,13 3: P5,8,13,20,22,23,38 3: P40,41,49,55,64,65
3	Sept. 15 T	Newton's Laws; Force Diagrams	4:1–6	4: MC2,5,15,16; P5,11,20,37,43
	Sept. 17 R	Equilibrium; Friction; Springs	5:1–5	4: P51,52,54,57 5: CQ7,9,13; MC3,4,8,12,13 5: P3,12,13,16,23,25,29,33,39
4	Sept. 22 T	Examples; Review		5: P46,48,61,71,76,79,87
	Sept. 24 R	Exam I	Chapters 1–5	
5	Sept. 29 T	Circular Motion; Satellites	6:1–5	6: MC1,4,6; P4,5,8,10,14
	Oct. 1 R	Work; Potential Energy	7:1–5	6: P27,29,33,42,49,51,53,57,58 7: MC7; P5,6,18,21,25,30
6	Oct. 6 T	Conservation of Energy; Power	7:6–8	7: CQ6; MC5,8,14; P45,48,52,53
	Oct. 8 R	Momentum; Collisions	8:1–4	7: P59,62,70,81,85,88,89 8: CQ10,15; MC1,8,9,11 8: P3,12,14,17,19,25,29
7	Oct. 13 T	Impulse; Center of Mass; Review	8:5–7	8: P40,52,60,61,67,71,85
	Oct. 15 R	Exam II	Chapters 6–8	

<u>Week</u>	<u>Date</u>	<u>Topic</u>	<u>Sections in Text</u>	<u>Homework</u>
8	Oct. 20 T	Rotational Kinematics	9:1-5	9: CQ2,3,8; MC5,6,16
	Oct. 22 R	Rotational Dynamics Angular Momentum	10:1-5	9: P12,19,25,26,33,42,46,49,64,70 10: MC2,5,6; P2,9,11,19 10: P28,31,34,40,43,44,67,82
9	Oct. 27 T	Rotational Statics; SHM	10:6; 11:1-2	10: MC8,10; P45,47,64,76
	Oct. 29 R	SHM; Pendulums	11:3-5	11: MC1,7,15; P1,7,26
10	Nov. 3 T	Examples; Review		11: P28,31,39,45,58,61,63
	Nov. 5 R	Exam III	Chapters 9-11	
11	Nov. 10 T	Waves; Standing Waves	12:1-8	12: MC3,4,5,6,7,9,11; P4,7,11,13
	Nov. 12 R	Sound; Heat	12:9-12; 14:1-5	12: P16,18,19,25,33,35,44,54,56,57,68 14: MC13; P5,15,27,34,75
12	Nov. 17 T	Heat; Ideal Gas	14:6-7; 15:1-3	14: MC4,5,10; P44,46,54,57,64,76,85
	Nov. 19 R	1st Law	15:4-7	15: MC4,6,9,10,12,13,14,15 15: P7,12,23,26,33,39,43,45 15: P52,56,59,64,73,76,80,83
13	Nov. 24 T	Heat Engines; 2nd Law	16:1-8	16: MC2,6,11,15; P4,9,17
	Nov. 26 R	Thanksgiving Holiday		16: P19,25,30,36,45,47,57
14	Dec. 1 T	Fluid Statics	13:1-3	13: MC1,3,4,5,6,11; P2,13,23
	Dec. 3 R	Exam IV	Chs. 12-16	13: P29,32,33,35,61,66,67,68
15	Dec. 8 T	Review		

Americans with Disabilities Act (ADA) Policy Statement:

The Americans with Disabilities Act (ADA) is a federal anti-discrimination statute that provides comprehensive civil rights protection for persons with disabilities. Among other things, this legislation requires that all students with disabilities be guaranteed a learning environment that provides for reasonable accommodation of their disabilities. If you believe you have a disability requiring an accommodation, please contact the Department of Student Life, Services for Students with Disabilities, in Cain Hall, Room B118, or call 845-1637.

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