

Physics 201, College Physics

This class meets **MWF, 10:00 - 11:35, in MPHY 203**, with recitations and labs as scheduled.

Course Description: Fundamentals of classical mechanics, heat, and sound.

Prerequisites: High school algebra and trigonometry, or the equivalent.

Learning Outcomes: Upon completion of Physics 201, a student will understand the basic laws and concepts of physics in the following areas, and will be able to apply them in problems relating to physical situations: mechanics, mechanical waves, and thermodynamics.

Instructor: Roland E. Allen, <http://people.physics.tamu.edu/allen/Phys201.html> , allen@tamu.edu

Office: MIST M213 **Office Hours:** MWF 11:40 – 12:40, or by appointment

Textbook: Sears & Zemansky's *College Physics, 10th edition*, by Young, Adams, and Chastain, with *Modified Mastering Physics*

Access **Mastering Physics in eCampus.**

There are tutorial problems assigned in Mastering Physics (for grade) in addition to the problems from the textbook that are listed on the syllabus.

Grading: 3 exams 60%; Final (comprehensive) 20%; Lab 7%; Recitation 5%;

Homework (Modified MasteringPhysics) 8%

You must achieve 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 three exams during the term, that lowest grade will be replaced by its average with the final in computing the course grade.

June 2 (5 p.m.) is the last day for a no-record drop. June 19 (5 p.m.) is the last day to Q-drop.

The final exam is Tuesday, August 8, 10:30 a.m. – 12:30 p.m.

Week	Date week begins or Exam date	Reading	Homework problems (MC denotes multiple-choice problems)
1	May 31	1: 1-6	1: MC5,6,10
		1: 7-8	1: P1,4,7,41,42,43,46,53,54
	June 2	2: 1-3	2: MC3,11; P3,5,11,16,19
		2: 4-6	2: MC4,9,12; P33,34,38,43,44,47,49
2	June 5	3: 1-3	2: P54,56,62,64,66,72
	June 7	3: 4-5; 2: 7	3: MC1,2,7,11,12; P6,11,14,20,22,27 3: P36,37,40,41,48,51,52,53,56
	June 9	4: 1-5	4: MC4,9,12,13; P5,11,18,32,38,44
3	June 12	4: 6	4: P45,46,48
	June 14	EXAM 1	CHAPTERS 1 – 4
	June 16	5: 1-2	5: MC3,4,6,10; P3,6,11,15,20,21,24
		5: 3-5	5: MC9; P27,31,38,39,40,41,51,54
4			5: P59,60,63,66,70
	June 19	6: 1-2	6: MC2,5,12; P5,6,10,14,25,27,33,38
		6: 3-5	6: P44,50,51,52
	June 21	7: 1-4	7: MC5; P5,6,14,16,19,20

		7: 5-6	7: MC3,7,9,10; P24,26,27,38,41,44
	June 23	7: 7-8	7: P46,51,54,59,70,73,75,80,81,86
5	June 26	EXAM 2	CHAPTERS 5 – 7
	June 28	8: 1-4	8: MC1,4,5,7,9;P3,11,13,15,16,18,24,27,28
	June 30	8: 5-7	8: 37,39,55,57,59,60,71,73
			Midterm break until July 5
6	July 5	9: 1-3	9: MC4,10,12; P16,18,24,27
		9: 4-5	9: P31,40,44,47,49,60,61,67
	July 7	10: 1-2	10: MC4,5; P2,3,9,11,16
		10: 3-5	10: MC6,7; P19,27,29,30,31,33
7	July 10	10: 6	10: 42,45,47,55,57,58,62,65
	July 12	11: 1-3	11: P1,7,24,26,29,30
		11: 4-5	11: MC1,2,10; P37,42,43,55,58,59,60
	July 14	12: 1-4	12: MC3,4,5,7,9; P4,7,10,12,15,18
	July 17	12: 5-7	12: P19,24,30,32,39,40,47,50,51,57
8	July 19	12: 8-12	
	JULY 21	EXAM 3	CHAPTERS 8 – 12
9	July 24	14: 1-6	14: MC4,5,9,11; P5,15,16,27,32,44
	July 26	14: 7; 15: 1-2	14: P49,53,56,62,71,72,77
	July 28	15: 3-7	15: MC4,5,6,8,9,12; P7,11,12,22,25,33
10	July 31		15: 37,40,42,49,52,53,61,70,76,77,78
	August 2	16: 1-8	16: MC2,8,9,12, P7,13,15,17,20,23,26,34,36,43
	August 4	13: 1-3	13: MC1,2,3,8,12, P2,19,29,32,33,35,57,62,63
	August 7	Review	Last class
	AUGUST 8	FINAL EXAM	

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