

Physics 201, Summer, 1999

Problems in Serway, "Physics for Scientists and Engineers," 4th Edition.
Laboratories in Rollefson and Richards, 1996 Edition.

Week	Date	Chapter	Problems	Laboratory
1	6/14	1- Measurement	1: 2,14,16,29,30,33	no lab.
	6/15	2- Motion in 1-D	2: 2,28,37,46,57,63	no lab.
	6/16	3- Vectors	3: 9,16,28,42,46,49	M-2 Static
	6/17	4- Motion in 2-D, 3-D	4: 9,18,34,46,50,74	Forces
2	6/21	5- Laws of Motion	5: 5,17,26,35,46,55,61	M-4 Acc. in
	6/22	6- Circular Motion	6: 5,9,17,21,27,31	free fall
	6/23	7- Work and Energy	7: 2,16,24,30,51,58	M-10 power
	6/24	8- Cons. of Energy	8: 5,12,23,31,39,40	and friction
3	6/28	Hour Exam. 1, Ch. 1-7		Makeup
	6/29	9- Collisions	9: 5,15,18,24,52,58	Makeup
	6/30	10- Rotation	10: 7,12,17,23,29,36	M-5 Proj.
	7/1	11- Rolling, Torque	11: 1,4,10,17,20,23	motion
4	7/5	Holiday		
	7/6	12- Static Equilibrium	12: 5,7,13,19,21,35	M-6
	7/7	12- Elasticity	12: 24,25,28,30,38	Uniform
	7/8	Hour Exam. 2, Ch. 8-12		Circ. Mot.
5	7/12	13- Oscillations	13: 3,8,13,22,28,50	M-9
	7/13	14- Gravitation	14: 2,8,10,15,24,30	Flywheel
	7/14	14- Gravitation	14: 45,51,57,61	M-7 Simple
	7/15	15- Fluids	15: 5,9,15,23,38,41,65	Pendulum
6	7/19	39- Relativity	39: 5,8,10,15,25,37	Makeup
	7/20	39- Relativity	39: 39,44,47,49,54	Makeup
	7/21	19- Temperature	19: 5,18,21,23,35,44	M-15
	7/22	Review		SHO
7	7/26	Hour Exam. 3, Ch. 13-15, 19,39		M-3
	7/27	20: Heat and 1 st Law	20: 1,7,24,28,32,36	moments
	7/28	20: Heat and 1 st Law	20: 40,52,55,58,62,65	H-2 Gas
	7/29	21: Kinetic Theory	21: 3,17,28,37,50,57	Thermom.

8	8/2	22: 2 nd Law	22: 2,9,15,25,33	H-4
	8/3	22: Entropy	22: 35,38,47,59	Heat of Vap.
	8/4	Review		Makeup
	8/5	Final Exam. (comprehensive)		Makeup

Lectures

10:20AM, Monday through Thursday, in room 1300 Sterling Hall. I strongly recommend that you read the material before class. By attending, you will benefit from the additional material, change in emphasis, or alternative explanations that are presented.

Discussion Sections

Your discussion section will be led by your Teaching Assistant (TA). Quizzes may, at the discretion of your TA, be given from time to time, and will count toward your grade. The TA's include Mr. Jeff Rufinus (rufinus@mbe.ece.wisc.edu) and Mr. Abraham Thomas (abrahamkt@hotmail.com).

Laboratory

Follow the "General Instructions" in the laboratory manual (pp. 1-3). The experiments are to be written up, in the laboratory notebook, during the laboratory period. Have your laboratory instructor initial and date the work before you leave the laboratory. Do not take your laboratory notebook home except with permission from your instructor. You must complete 10 or 11 laboratory assignments to receive course credit. You must arrange with your TA any laboratory makeup work during the periods indicated in the syllabus. During the laboratory makeup periods, only those setups used since the last makeup period will be available.

Homework

Homework problems should be handed in the day after assigned, in class. Since there will be homework turned in the day of an examination, make sure to ask questions before the examination on any homework where you are unsure of how to do the problem. The TA's will grade some, but not all, of the homework. However, they will check to insure you have done all problems. The grading will be as follows:

+1 point for each problem graded that is done well;

-1 for any problem that is not done;

0 for each problem graded that is not done well.

At the end of the course, a percentage score will be obtained, based on how many problems were graded. So if you choose not to do one problem, that subtracts one point from your possible score.

"Hour" Examinations

The examinations will be in class and will last 75 minutes. The examinations will be closed book; however, you will be allowed one 8 1/2" x 11" sheet of notes. The examination will be graded promptly and returned to you within three class periods. Solutions will be discussed and placed on reserve in the Physics Library (4220 Chamberlin Hall). There will be no makeup examinations. If you must miss an

examination with a compelling reason, the score from the examinations will be the average of the other examinations.

Grading

The course grade will be determined by the following components:

- Hour examinations (each counts equally): 75% of grade
- Laboratory, Homework, Discussion quizzes and participation: 25% of grade

The laboratory, homework, and discussion scores will be assigned by your TA, and will be normalized to the distribution on the hour examinations. A final numerical grade will be computed using the weighted scores as per above. The letter grades will be assigned such that the median numerical grade corresponds to the BC/C boundary.

Consulting Room

Room 2318 Sterling Hall is staffed by TA's. See the schedule card on the door. You should feel free to ask questions of any TA, or come during the hours that your own TA is there. You may also make an appointment with your TA at any mutually convenient time and place. Of course, you are encouraged to discuss any aspect of the course and your part in it with Prof. Onellion at any time. Prof. Onellion can be reached by telephone (877-2345) or electronic mail (onellion @ comb.physics.wisc.edu).

Complaints and Concerns

If you have concerns about the course and/or your performance, please get in touch with Prof. Onellion as soon as possible. If you have a non-subject matter question or concern that cannot be resolved by your TA or Prof. Onellion, please contact Ms. Jean Buehlman, the Instructional Program Manager (afternoons in 2520 Sterling Hall, 262-2629).