SYLLABUS
PHYSICS 103 - SPRING 95

Textbooks:

Text is "Contemporary College Physics" 2nd ed. by Jones and Childers, Addison Wesley, Laboratory Manual for Physics 103, UW-Physics, and a spiral bound laboratory notebook.

Exams:

There will be three one hour exams on the dates shown (Fridays: February 24, March 31, and April 28) at 5:55 pm in room 1300 Sterling Hall.

IF YOU HAVE A CONFLICT WITH THIS EXAM SCHEDULE, DROP THE COURSE NOW!!

There will be no early, late or makeup exams. If you miss an exam, the average of your other exams will be substituted for the missing score, *provided* you have a written excuse from a physician, Dean or other academic advisor, or a substantiated unforseen occurrence. All needed formulas and constants will be provided. Ten minute quizzes will be given from time to time during discussion sessions.

Homework:

The homework is to be turned usually on Mondays except as noted on the schedule. Solutions to the homework will be on the reserve shelf in the Physics Library (4220 Chamberlin Hall) on the day following the due date.

Labs:

You must complete all Labs. If you miss a lab you may go to the scheduled makeup labs or to any other lab to complete the work. Make arrangements ahead of time with your TA or come to the weekly instructor's meeting Friday at 5:00 p.m. in room 4421 Sterling. If you have failed to make up one missed lab your grade will be decreased by one/half grade point (*e.g.* A→ AB); two missed labs will decrease your grade by one point (*e.g.* A→ AB); *etc.* You must have a bound quadrilled notebook for your laboratory work. You may not take the lab notebook out of the laboratory.

Grading:

The final grade will be computed in the following way: quizzes, homework and labs 25% ; three one hour exams 45 % (performance weighted: 18%, 15%,and 12% in order of score); the quasi-cumulative final exam 30 %.

Office Hours:

Teaching Assistants will have office hours in room 2402 Sterling. You may go to the office hours of any T.A. (hours to be posted). Prof. D. Reeder will have office hours on Tuesday and Wednesday at 0900, or by appointment.

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(over)

Week	Date	Chapter	Lab Topic	Homework
1	M Jan 23	1 Intro.	No Lab	due 1/25
	W 25	2 1-d motion		1(30,57)
	F 27			2(6,18,38,48)
2	M 30	3 vectors	M1-Measurements	3(10,16,26
	W Feb 1	2-d motion		34,40,52,65)
	F 3			
3	M 6	4 Force	M4-Free Fall	4(4,14,16
	W 8	Laws of motion		28,30,36,48)
	F 10			
4	M 13	5 Gravity	M2-Equilibrium	5(4,10,20
	W 15	Circular motion		26,28,44)
	F 17	6- Energy		6(6,12)
5	M 20	6- Energy	M10– Power and	6(16,24,30
	W 22		Friction	36,50,56,66)
	F 24	Review		
	F 24	EXAM 5:55 pm Ch 1-6		
6	M 27	7 Momentum	M5-Conservation	7(10,14,25,40)
	W Mar 1	8 Collisions	of Momentum	8(12,14,22,55)
	F 3			
7	M 6	9 Rigid bodies	M6-Centripetal	9(8,22,30
	W 8	Angular momentum	Force	40,44,55,58)
	F 10			
8	M-W-F	Spring Recess		
9	M 20	10 Fluids	M3–Equilibrium	10(10,14,22
	W 22		of Solid Body	36,46,48,62)
	F 24			
10	M 27	11 Thermal Physics	M9- Angular Acceleration	11(2,18,24
	W 29		of a Flywheel	46,52,72)
	F 31	Review		
	F 31	EXAM 5:55 pm Ch 6-10		
11	M Apr 3	12 Gas laws	M11-Young's modulus	12(5,6,8,17
	W 5	Kinetic theory		22,32,42)
	F 7			
12	M 10	13 Thermodynamics	no lab	13(8,14,20,22)
	W 12			
	F 14	Easter Recess		
13	M 17	13 Thermodynamics	H2-Gas Thermometer	13(36,46,49,55)
	W 19			
	F 21			
14	M 24	14 Periodic motion	H3-Heat of fusion or	14(6,16,22)
	W 26		H4- Heat of vaporization	(26,36,49)
	F 28	Review		
	F 28	EXAM 5:55 pm Ch 11-13		
15	M May 1	15 Wave motion	S1-Waves on a string or	15(6,10,14
	W 3		M7- Pendulum	18,28,34)
	F 5			
16	M 8	15 Sound	no lab	15(56,58,66)
	W 10			
	F 12	Review		
	M 15	FINAL EXAM 12:25 pm		