

**PHYSICS 103 SYLLABUS - Fall '93**

-preliminary-

**Exams**

There will be four one hour exams, they will be held at:

7:15 pm, Monday Sep 27, Monday Oct 25, Monday Nov 22 and Wednesday Dec 15

Please note that the Dec 15 exam is not shown in the timetable

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

All needed formulas and constants will be provided on the exam cover sheet. 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 that you have a written excuse from a physician, Dean or academic advisor, or a substantiated unforeseen occurrence.

**Homework**

The homework is due in class on the due date shown on the syllabus (usually Monday). Solutions to the homework will be in the reserve shelf in the Physics Library on the day following the due date.

**Labs**

You must complete all Labs in order to pass the course; you may go to the scheduled makeup labs or to any other lab to make up a lab you had to miss; make arrangement with your TA or come to the weekly instructors meeting Friday at 5:00 pm in room 4421 Sterling. You must have a bound quadrilled notebook for your laboratory work. You may not take the lab notebook out of the laboratory.

**Final Grade**

The final grade will be computed in the following way: homework and labs 20%, the four one hour exams are normalized and performance weighted: the better scores count most. They will count 30%, 25%, 15% and 10%, in order of score.

**Office hours**

Teaching Assistants will have office hours in room 3252 Chamberlin. You may go to the office hours of any T.A.

hour	Mon	Tue	Wed	Thu	Fri
8:50		S Watchorn			
9:55	K Stenson		K Stenson		
11:00	S Sundaran	K Mulman	S Sundaran		T Yoo
12:05	J Trueblood	K Mulman	J Trueblood	T Yoo	S Watchorn
1:20					
2:25				J Liu	C Boardman
3:30			V Serbo		
4:36	A Alavi-Harati	J Liu	C Boardman	V Serbo	
5:50			A Alavi-Harati		

Prof. U. Camerini will have office hours Mon at 10:00 and Tue at 1:20 in room 3405 Sterling.

**PHYSICS 103 FALL '93 (preliminary)**

Lect	Date	Chapter	Lab Topic	Homework (due date)
1	F Sep 3	Ch 1-Introduction	No Lab	
	M 8	<b>LABOR DAY</b>		
2	W 8	Ch 2-Motion in one dimension	No Lab	Ch 1: 32,33,34,35,37,38,40 (9/8)
3	F 10			Ch 2: 4,7,16 (9/8)
4	M 13		M4-Free fall a solid	Ch 2: 18,31,32,34,43,50 (9/13)
5	W 15	Ch 3-Vectors		Ch 3: 4,14,16,26 (9/18)
6	F 17			
7	M 20		M2-Equilibrium	Ch3: 18,19,30,33,42,44 (9/20)
8	W 22	Ch 4-Laws of motion		Ch4: 9,10,15 (9/20)
9	F 24			Ch 4: 19,25,27,34,35,36,41,55,56,76 (9/23)
10	M 27	Review	No Lab	
	M 27	<b>I<sup>st</sup> ONE HOUR EXAM 7:15 pm Ch I-IV</b>		
11	W 29	Ch 5-Work and Energy		
12	F Oct 1			
13	M 4		M5-Conservation of momentum	Ch 5: 16,18,19,24,36,41,73,76 (10/4)
14	W 6	Ch 6-Momentum		Ch 6: 3,5,8,15 (10/4)
15	F 8			
16	M 11		M6-Centripetal force	Ch 6: 21,22,34,37,45,60 (10/11)
17	W 13	Ch 7-Circular motion		Ch 7: 3,8,10 (10/11)
18	F 15			
19	M 18		M3-Equilibrium of a solid body	Ch 7: 15,23,33,35,52,66,68 (10/18)
20	W 20	Ch 8-Rotational dynamics		Ch 8: 6,7,10 (10/18)
21	F 22			Ch 8: 12,17,34,36,49,51,60 (10/21)
22	M 25	Review	No Lab	
	M 25	<b>II<sup>nd</sup> ONE HOUR EXAM 7:15 pm Ch V-VIII</b>		
23	W 27	Ch 9-Solids and Fluids		Ch 9: 3,16,19
24	F 29			
25	M Nov 1	Ch 10 Fluid motion	M9-Angular acceleration of a flywheel	Ch 9: 3,6,9,10,17,19,23,38,40,43 (11/1)
26	W 3			Ch 10: 1,8,15 (11/1)
27	F 5			
28	M 8	Ch 11-Thermal physics	M - Young's Modulus	Ch 10: 9,16,18,20,23,26,39 (11/8)
29	W 10			Ch 11: 3,11,27 (11/8)
30	F 12			
31	M 15	Ch 12-Heat	H2-Gas Thermometer	Ch 11: 9,12,30,33,47,52,55 (11/15)
32	W 17			Ch 12: 2,14,15 (11/15)
33	F 19			Ch 12: 4,9,18,20,25,32,36 (11/18)
34	M 22	Review	No Lab	
	M 22	<b>III<sup>rd</sup> ONE HOUR EXAM 7:15 pm Ch IX-XII</b>		
35	W 24			
	R-S 25-28	<b>THANSGIVING RECESS</b>		
36	M 29	Ch 13-Thermo-dynamics	H3-Heat of fusion, or H4-Heat of vaporization	Ch 13: 1,11,17 (11/29)
37	W Dec 1			
38	F 3			
39	M 6	Ch 14-Vibrations and waves	S1-Strings M7-Pendulum	Ch 13: 4,6,12,16,20,26 (12/6)
40	W 8			Ch 14: 1,3,9 (12/6)
41	F 10			
42	M 13	Ch 15-Sound	No Lab	Ch 14: 4,15,20,24,30,41 (12/13)
43	W 15	Review		Ch 15: 6,37,47 (12/19)
	W 15	<b>IV<sup>th</sup> ONE HOUR EXAM 7:15 pm Ch XIII-XV</b>		

Problems are due at noon on the due date shown, in the shelves outside the lecture room.