

# PHYSICS 104 SUMMER 99 - TENTATIVE SYLLABUS (U.CAMERINI)

Text: Cutnell & Johnson IV<sup>th</sup> Edition

	Date	Chapter	Lab Topic
1	M June 14	Ch 18: Electric forces and fields	No Lab
2	T 15		
3	W 16		E1 Electrostatics
4	R 17	Ch 19: Electric potential energy and electric potential	E2 Electric Fields
5	M 21		
6	T 22		
7	W 23	Ch 20: Electric circuits	E4 DC circuits
8	R 24		
	R 24	I <sup>st</sup> ONE HOUR EXAM 7:15 pm Ch XVIII-XX	
9	M 28	Ch 21: Magnetic forces	E-6/1 E-6/2 Magnetic field
10	T 29		
11	W 30	Ch 22: Electromagnetic induction	E-6/3 e/m
12	R July 1		
13	M 5		E-7/1 EC-7/2
14	T 6	Ch 23: AC Circuits	
15	W 7	Ch 24: EM waves	Makeup Lab
16	R 8	Ch 25: Reflection of light	
	R 8	II <sup>nd</sup> ONE HOUR EXAM 7:15 pm Ch XXI-XXV	
17	M 12	Ch 26: Refraction of light	EC-7/3 EC-7/4
18	T 13	Lenses	
19	W 14	Ch 27: Interference and the Wave nature of Light	L-2 L-3 Lenses
20	R 15		
21	M 19	Ch 28: Special Relativity	LC-4 Interference
22	T 20		
23	W 21		Makeup lab
24	R 22		
	R 22	III <sup>rd</sup> ONE HOUR EXAM 7:15 pm Ch XXVI-XXVIII	
25	M 26	Ch 29: Particles and Waves	LC-5 Photoelectric effect
26	T 27		
27	W 28	Ch 30: The nature of the atom	L-6 Hydrogen Spectrum
28	R 29		
29	M Aug 2	Ch 31: Nuclear physics	NC-1 NC-2
30	T 3		
31	W 4	Ch 32: Ionizing radiation	Makeup Lab
32	R 5		
	R 5	IV <sup>th</sup> ONE HOUR EXAM 7:15 pm Ch XXIX-XXXII	

Your instructors are:

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## PHYSICS 104 Summer '99

### EXAMS

There will be four one hour exams, they will be held at 7:15 pm, Thur June 25, Thur July 8, Thur July 22, and Thur Aug 5.

If you have a conflict with this exam schedule drop the course now!

The exams, and the discussion section quizzes will be based on material presented in lecture, assigned homework, and laboratory exercises.

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.

ATTENDANCE Attendance at lecture, lab and discussion section is mandatory

If you have to miss a lab you may go to the scheduled makeup labs or to any other lab to make up a lab you had to miss; make arrangements ahead of time with your TA or come to the weekly instructors meeting in room 4331 Sterling. If you have missed two labs, your course grade will be decreased by half a grade point (e.g. A  $\rightarrow$  AB); three missed labs will decrease your grade by one grade point (e.g. A  $\rightarrow$  B), etc.

If you have missed more than three discussion sections your course grade will be decreased by half a grade point (e.g. A  $\rightarrow$  AB); six missed discussion sections will decrease your grade by one grade point (e.g. A  $\rightarrow$  B), etc.

Your attendance at consultation hours will be recorded and taken into consideration in cases of a borderline lettergrade.

### HOMEWORK

The homework will be assigned weekly, and will be due in lecture on the due date shown on the assignment. Solutions to the homework will be distributed in class.

You are encouraged to do your homework in collaboration with your class mates; room 3405 will be available from 1:00 to 5:00 for this purpose.

### LABS

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: quizzes 10%, homework 10%, labs 20% , the four one hour exams 60%.

### CONSULTATION HOURS

Will be held in room 2402 Sterling Hall, you may go to the consultation hours of any instructor.