

PHYSICS 104 — SUMMER 1994

Text: *College Physics*, R.A. Serway & J.S. Faughn, Third Edition

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Office Hours - 1:30-3:00 TW

<i>Week</i>	<i>Lecture Topics</i>	<i>Chapters*</i>	<i>Labs</i>	<i>Discussion</i>
Jun 13	Electricity	16, 17	E1	Introduction
Jun 20	Circuits	18, 19	E4, E3	Prob Sets 1, 2
Jun 27	Magnetism	20, 21	E6, <i>mu</i>	Prob Set 3
Jul 4	Circuits, Waves, Optics	22, 23, 24	E8	Prob Set 4
Jul 11	Optics	25, 26, 27	L2, L3	Prob Sets 5, 6
Jul 18	Relativity	28	L4, <i>mu</i>	Prob Set 7
Jul 25	Atoms, Molecules, Solids	29, 30, 31	L1, N2	Prob Set 8
Aug 1	Nuclei & Particles	32, 34	<i>mu, mu</i>	Prob Set 9

*Omit sections 16.10, 19.4, 20.5, 20.6, 20.12, 21.6, 24.8, 25.8, 26.6, 27.6, 29.5, 30.10, 31.3, 34.7, and 34.8

Exams: There will be one-hour exams in discussion on the following dates:

Thursday, June 30, Chapters 16-20

Thursday, July 21, Chapters 21-27

Tuesday, August 2, Entire course

Thursday, August 4, Chapters 28-34

You will get a study guide one week before each exam that lists the topics each question will cover. You will be allowed to bring two pages (one sheet) of notes.

Grades: Problem sets count 15%, Labs 15%, exams 70%. Exam grades will be *performance-weighted*: Your best score will count 25%, second best 20%, third best 15%, worst 10%.

Labs: You are required to complete 10 laboratory exercises. Four makeup (mu) days are provided in the schedule for labs you miss or are unable to fully complete. Lab grades will be based in part on short quizzes in discussion.

Problem Sets: Due to the fast pace of the course, no late papers will be accepted without a documented medical excuse. See the assignments below for due dates. Your worst score will be discarded.

Problem Set Assignments

First date is for Section 302, second for 301

- 1- (*Due June 20/21*) Chapter 16, problems 3, 8, 11, 13, 21, 31, 47, 54
- 2- (*Due June 22/23*) Chapter 17, problems 2, 4, 7, 11, 29, 36, 41, 54
- 3- (*Due June 27/28*) Chapter 18, problems 11, 17, 46, 57
Chapter 19, problems 1, 3, 11, 31
- 4- (*Due July 6/7*) Chapter 20, problems 12, 34, 38, 51
Chapter 21, problems 1, 11, 24, 55
- 5- (*Due July 11/12*) Chapter 22, problems 9, 19, 33, 45
Chapter 23, problems 1, 5, 21, 27
- 6- (*Due July 13/14*) Chapter 24, problems 6, 7, 9, 15, 17, 32, 36, 47
- 7- (*Due July 18/19*) Chapter 25, problems 9, 39, 57
Chapter 26, problems 2, 17
Chapter 27, problems 11, 26, 31
- 8- (*Due July 25/26*) Chapter 28, problems 2, 7, 8, 19, 26, 34, 43, 49
- 9- (*Due Aug 1/1*) Chapter 29, problems 1, 13, 24, 41, 47, 57
Chapter 30, problems 13, 39