

## PHYSICS 104 SUMMER 1997

Text: College Physics, R. A. Serway & J. S. faughn, Fourth Edition

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Office Hours: 1:30-3:00 pm M W

Week	Topic	Ch.	Lab	Home Work	Discus
Jun 16	Electrostatics: charge, force, and field. Potential, energy, and capacitance	15 16	E1 E1	13, 36, 43, 58, 66 17, 23, 46, 69, 71	Ch. 15 & 16
Jun 23	Current Electricity: Ohm's law, energy, power DC Circuits	17 18	E2 E4	3, 13, 23, 43, 53 15, 19, 28, 47, 61	Ch. 17 & 18
Jun 30	Magnetism: Forces and fields	19	E6	7, 22, 35, 48, 53, 70, 73	Ch. 19
Jul 07	Electromagnetic Induction AC Circuits	20 21	E7 E8	6, 11, 21, 26, 56 21, 24, 33, 35	Ch. 20 & 21
Jul 14	Light & Optics: Mirrors & Lenses:	22 23	L1 L2	4, 13, 27, 49, 60 16, 22, 34, 45, 65	Ch. 22 & 23
Jul 21	Wave Optics: Optical Instruments:	24 25	L3 L4	5, 23, 35, 44, 61 15, 20, 55, 62, 71	Ch. 24 & 25
Jul 28	Relativity: Quantum Physics:	26 27	L5 L5	5, 11, 35, 45, 59 13, 43, 49, 59, 69	Ch. 26 & 27
Aug 4	Atoms, Nuclei, & Particles	28 29 30	N2	5, 23, 46 31, 37, 50 12, 34	Ch. 28, 29, 30

**Exam:** There will be a one-hour exam in discussion on the following dates:

Monday, June 30; Chapters 15 - 18

Monday, July 14; Chapters 19 - 21

Monday, July 28; Chapters 22 - 25

Thursday, Aug. 08; Entire Course (comprehensive final exam)

You will be allowed to bring one page of formulas, preferably those ones in the summary at the end of each chapter.

**Grade:** Home work counts 5%, lab 15%, and exam 80%. If the score on final exam is more than the score on any one of the previous exams, the lowest score will be dropped and the score on the final doubled to calculate the final grade.