Approx Syllabus **PHYSICS 207 (Section H)** **Spring 1999**

Profs. T. Curtright (Lectures and Discussion Section 2P)
and S. Barnes (Discussion Sections 2R, 2S)
Lecture MWF 3:00 – 3:50 rm 130

DATE	LECTURE TOPIC(S)	CHAPTER
Jan 20	Introduction & Electric Fields	23
Jan 25	Electric Fields/Gauss's Law	23/24
Feb 1	Gauss's Law/Electric Potential	24/25
Feb 8	Electric Potential	25
Feb 15	Capacitors/Dielectrics	26
Feb 17	Exam I Wed. 5:00-6:15 p.m., Wilder Aud	
Feb 22	Currents and Resistance	27
Mar 1	Direct Current Circuits	28
Mar 8	Magnetic Fields	29
Mar 15	Spring Recess	
Mar 22	Sources of the Magnetic Field	30
Mar 24	Exam II, Wed. 5:00 - 6:15 p.m., Wilder Aud	
Mar 29	Faraday's Law	31
Apr 5	Inductance	32
Apr 12	Alternating Current Circuits	33
Apr 19	Review Mechanical Waves	16
Apr 21	Exam III, Wed. 5:00 - 6:15p.m., Wilder Aud	
Apr 26	Electromagnetic Waves	34
May 5	Final Exam, Wed. 5:00 - 7:30p.m., Wilder Aud	

Chapter references are to *Physics for Scientists and Engineers* by Serway, published by Saunders College Publishing, Fourth Edition. The three midterm exams will be weighted equally, the final exam will be weighted as two midterms. The graded homeworks and quizzes will count together the same as one midterm exam. The lowest of the six scores will be dropped. A student with an unexcused absence from an exam loses the dropping privilege. Attendance may affect your final grade. Students are responsible for signing the attendance sheet when it is passed around.

Discussion sections are separate from the lecture and mandatory.

The related lab class (PHY209) starts Feb 1.

You may contact Dr. Curtright by email: curtright@physics.miami.edu; by phone: 305-284-2324 ext 4 (or 8-7138 if you are on campus); or in his office: 325 J.L.Knight Physics Bldg.