

General Physics II, Fall 2004 - Syllabus

course: PHY2049
credits: 4
location: AC 119
time: MW 12:00-01:50pm

instructor: Dr. Jirsa
office: Behavioral Sciences Building, Room # 308
email: jirsa@ccs.fau.edu
office hours: Monday 02:00-03:30pm
Thursday 11:30-01:00pm

contents: For science majors. The fundamental laws and phenomena of electricity and magnetism, optics, modern physics. *Emphasis on mathematical analysis of physical problems.*

literature: Young & Freedman, **University Physics**, 11th ed., Addison-Wesley 2004 (volume 2 with chapters 21-36, 38-41)

structure: Electromagnetism, Chapters 21-32 (70%)
Optics, Chapters 33-36 (15%)
Modern Physics, Chapters 38-41 Quantum Mechanics (15%)

prerequisites: Differential and integral calculus (MAC 2311), General Physics I (PHY2048)

homework: home work questions will be collected and graded.

written tests: Monday October 4th, Wednesday November 3rd

final exam: Friday, December 3rd 2004, 10:30-01:00pm

make-up tests: Make-up tests will be held in Dr. Jirsa's office on Thursday, November 18th, 2004, 11:30am.

grading: The two mid-semester tests are equally weighted and count 20% each. The final examination counts 40%. Graded homework questions count 20%.

preparation: (i) Review the mathematics of sections 1-8 through 1-11 in chapter 1, volume 1, Young & Freedman
(ii) Practice test on <http://www.ccs.fau.edu/~jirsa/>
(iii) Study guide on <http://www.ccs.fau.edu/~jirsa/>

Important dates	M 10-04-2004	W 11-03-2004	Th 11-18-2004	F 12-03-2004
	Test #1	Test #2	Make-up test	Final exam