

Physics 254 - Section 01/02

General Physics II

Fall Semester 2016

<i>Room/Time:</i>	<u>SECTION 01:</u> Seaver Hall 111 – MW 12:40pm - 2:10pm (lectures) Seaver Hall 119/121 – R 9:40am - 11:10am (labs)
	<u>SECTION 02:</u> Seaver Hall 111 – MW 2:20pm - 3:50pm (lectures) Seaver Hall 119/121 – R 11:20am - 12:50pm (labs)
<i>Instructor:</i>	Dr. Gabriele Varieschi
<i>Office:</i>	Seaver Hall - 110
<i>Phone:</i>	(310) 338-7632
<i>E-mail:</i>	gvarieschi@lmu.edu
<i>Office hours:</i>	MW 10:00 – 11:30 am; and by appointment.
<i>Web page:</i>	http://myweb.lmu.edu/gvarieschi/physics.html
<i>Textbook:</i>	Knight, Jones, Field - College Physics 3 rd Edition (recommended) – Pearson Also required: access to <u>Mastering Physics</u> (\$65.95 online access). http://www.masteringphysics.com/ USE COURSE NUMBER: MPVARIESCHI77834
<i>Objectives and Topics:</i>	From Chapter 17 to Chapter 25 (tentatively). Electrostatics. Magnetism. Current, D.C. circuits. Electromagnetic waves. Geometrical and wave optics. Laboratory experiments pertaining to electricity, magnetism, and optics. Prerequisites: Physics 253- General Physics I.
<i>Learning Outcomes:</i>	Understand the phenomenology of electricity and magnetism. Understand the concept of a classical field: electric and magnetic. Be able to solve problems of increasing complexity. Understand the dual nature of light. Understand the basic optical instruments.
<i>Tests:</i>	There will be four tests during the semester. Your lower test grade will be dropped, so only your three best tests are counted toward the final grade. There will be no make-up tests given; if you miss any one of the four tests, that one will automatically be your dropped test. Tests are closed-book, but you may bring in a sheet of equations.
<i>Test Dates:</i>	TBA
<i>Final Exam:</i>	<u>SECTION 01: Wednesday, Dec. 14, 11am-1pm.</u> <u>SECTION 02: Monday, Dec. 12, 2pm-4pm.</u> The final exam is cumulative and is equivalent to 2 tests.
<i>Homework:</i>	Weekly homework assignments will be given through Mastering-Physics. Solutions will be partially discussed in class.
<i>Laboratory:</i>	The laboratory is an integral part of this course. The experiments will complement the topics of the lectures. The laboratory will count for 15% of your final grade. <u>Missing 2 or more lab sessions will result in a failing grade for the course.</u> See lab schedule for detailed information. <u>DOWNLOAD LAB MATERIALS AT:</u> http://myweb.lmu.edu/gvarieschi/physics.html
<i>Grading:</i>	Laboratory 15 % Homework 10 % Test 1 15 %] Test 2 15 %] Three best tests Test 3 15 %] out of four (see above) Final Exam 30 %

Overall Grading (approx.): <50%=F; 50-54%=D; 55-69%=C range; 70-85=B range; >85=A range.

Academic Honesty: Academic dishonesty will be treated as an extremely serious matter, with serious consequences that can range from receiving no credit for assignments/tests to expulsion. It is never permissible to turn in any work that has been copied from another student or copied from a source (including Internet) without properly acknowledging the source. It is your responsibility to make sure that your work meets the standard of academic honesty set forth in the “LMU Honor Code and Process” which appears in the *LMU Bulletin 2010-2011* (see http://www.lmu.edu/about/services/registrar/Bulletin/Bulletin_in_PDF_Format.htm.)

Americans with Disabilities Act:

Students with special needs as addressed by the Americans with Disabilities Act who need reasonable modifications, special assistance, or accommodations in this course should promptly direct their request to the Disability Support Services Office. Any student who currently has a documented disability (physical, learning, or psychological) needing academic accommodations should contact the Disability Services Office (Daum Hall Room 224, 310-338-4535) as early in the semester as possible. All discussions will remain confidential. Please visit <http://www.lmu.edu/dss> for additional information.

Syllabus changes: If necessary, this syllabus and its contents are subject to revision; students are responsible for any changes or modifications announced in class.

Have a nice semester. Good luck!