

PHY 111 Introduction to Engineering Physics I

Dillard University - Fall 2002

revised 13 September 2002

Meeting Times:

Scheduled for 123 (LAB) M 1:00p - 2:50p

Scheduled for 123 (LAB) W 1:00p - 2:50p

Instructor: Rob Salgado

← note the correct spelling

office: Stern 307A

voice: (504)-816-4510

← note the new number

email: rsalgado@dillard.edu

← "the BEST way to reach me"

www: <http://physics.syr.edu/~salgado/>

← temporarily

instant-messengers: AOL, MSN, Yahoo: [dillardphysics](#) (do not email here)

Office hours: [consult the webpage above for any revisions to the following schedule]

STERN 307A M W 10:00a-11:00a

T 1:00p- 3:00p

R 5:15p- 6:15p

LEARNING CENTER T 9:00a-11:00a

or drop by my office or make an appointment by email.

Catalog Description: PHY 111 Introduction to Engineering Physics I. (3 credits)

An introduction to engineering and physics to freshman students covering elementary physics (Mechanics and principles of problem solving physics), an introduction to engineering disciplines and their roles in society, and training in library and literature search. Class meets two hours per week for lectures and two hours per week for laboratory.

Textbook: "Contemporary College Physics" (2nd edition) by Jones and Childers

(published by McGraw-Hill: ISBN 0-07-241512-6)

Electronic Materials: The textbook has a useful website:

<http://www.mhhe.com/physsci/physical/jones/>

I will maintain a webpage that lists the assigned problems and solutions:

(temporarily at) <http://physics.syr.edu/~salgado/111/>

Homework: Homework will be assigned but not be collected. We will discuss the

homework in class. I guarantee that at least two of those problems will appear on a quiz or exam.

You are encouraged to work on the homework with other students.

However, be sure that you can do the problems by yourself

since you'll be working on quizzes and exams by yourself.

If you need help with your homework, please visit me (with your text and your notebook and *with proof that you tried the problems*) during Office Hours.

Classroom Rules:

Come to class ON TIME. Attendance is REQUIRED, in accordance with University regulations (page 17).

Come to class PREPARED, having read or written any assignments.

Turn OFF all phones, pagers, radios, and other disruptive devices.

Limit all discussions to the PHYSICS topic under discussion.

Academic dishonesty will not be tolerated, in accordance with University regulations (page 18).

Treat each other with RESPECT.

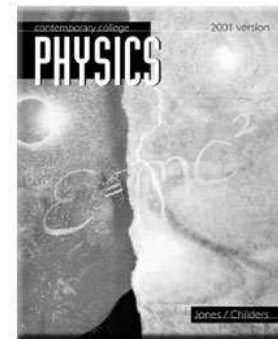
Grades:

- 20% QUIZZES
- 15% MIDTERM EXAM
- 20% FINAL EXAM
- 30% LABS
- 15% PRESENTATION

A=90+, B=80+, C=70+, D=60+, F<60.

This class is not graded on a curve.

Borderline cases (between two letter grades): If your exams show an upward trend or you are an active participant in class, your grade may be nudged upwards.



If you are unhappy with the textbook, FIND ANOTHER ONE from the library! (I did this for every class I took!)

Most of the learning you do in this class is done by **doing homework problems outside of class!**

Exams and Quizzes: QUIZZES are generally given at end of each chapter. They will be given at the start of the lab class period and will end promptly after ten minutes of that period. [No makeups or extensions. Be on time.] There is a MIDTERM exam and a FINAL exam.

Missed exams:

If you are absent for an exam, you must present a written excuse to me. **Only if** that excuse is valid, your next scheduled exam will carry the weight of your missed exam. Otherwise, you will get no credit for the missed exam.

Presentation: From a list of physics topics I will present shortly, you will choose one topic to write up and make an oral presentation (e.g. using PowerPoint) for the class. The date of the presentations (yet to be decided upon) will be near the end of the semester.

Course outline (tentatively): [labs to be specified shortly]

Q=quiz
X=exam
R=review

August

Su	Mo	Tu	We	Th	Fr	Sa	
		26		28			introductions, CH 1 - Measurements and Models

September

Su	Mo	Tu	We	Th	Fr	Sa	
[2]			4				CH 2 - Motion in One Dimension
		9		11			
		16		18Q			
		23		25			CH 3 - Motion in Two Dimensions
		30					

October

Su	Mo	Tu	We	Th	Fr	Sa	
						2	
		7		9Q			
		14R		16X			MIDTERM
		21		23			CH 4 - Force
		28		[30]			

November

Su	Mo	Tu	We	Th	Fr	Sa	
		4		6			CH 5 - Uniform Circular Motion and Gravitation
		11		13Q			
		18		20			CH 6 - Work and Energy
		25		27Q[28]			CH 7 - Linear Momentum

December

Su	Mo	Tu	We	Th	Fr	Sa	
		2R	[4	5]	[F		[tba: PRESENTATIONS]
		I	N	A	L]		[tba: FINAL Ch 1-7]