

PIMA COLLEGE - EAST  
 ASTRONOMY/PHYSICS  
 Fall SEMESTER 2012

Course: PHY 121 Time: 08:00 - 9:40am M W Lec Room: M1  
 PHY 121LB TBA Lab

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\*\*\*All assignment dates will be found online. I will explain in class\*\*\*

Week of	Date	Assignments		Topic
		Reading	Lab	
1		1		Introduction
2			1	Math Review
3		2		1 D Motion
4		3	2	2 D Motion/EXAM1
5		4		Newton's Laws
6		6	3	Forces
7		5		Gravity/EXAM 2
8		6	4	Work and Energy
9		7		Momentum
10		8	5	EXAM 3
11		9	6	Fluids
12		10	7	Temp
13		11	8	EXAM 4
14		12	9	Kinetic Theory
15			10	
FINAL EXAM				

## PHYSICS 121 GRADE

### Lecture

The lecture grade will be based on the following:

There will be five exams given. The fifth exam is the final exam and will be comprehensive. All exams will have equal weight. All exams are based on the class notes. The exam average is 50 % of the final grade.

There will be 5 quizzes during the semester. These quizzes are online and will cover the current class material. The quiz average is 50 % of the final grade.

The assignment of the lecture grade will be based on the following:

90	-	100%	=	A
80	-	89%	=	B
70	-	79%	=	C
50	-	69%	=	D
		Below 49%	=	F

There are no make up exams or quizzes. You will be given the dates of the exams during the first class meeting for your planning purposes. It is assumed you will be at every class meeting. If you miss a class you are responsible to get the class notes missed.

You are expected to work the problems associated with each chapter. The number of problems you work will greatly affect your understanding of the class material. Study groups are very helpful and I encourage you to form them during the first week of class.

### Laboratory

The laboratory grade will be based on the average of ten laboratory experiments. All labs have equal weight. These experiments will be found in the laboratory manual. The tenth experiment will be designed by the student. This lab is an application of laboratory skills acquired during the semester. The assignment of the laboratory grade will be based on the following:

90	-	100%	=	A
80	-	89%	=	B
70	-	79%	=	C
50	-	69%	=	D
		Below 49%	=	F

Text: Free online book. I will explain in class. Lab Text PHYSICS 121 Lab Book, is online also. This syllabus is only a guide to the sequence of topics that will be covered. The reading assignments are your responsibility. Class lecture will dictate the actual topics for quizzes and exams. You should work out the answered problems in your text for the current chapter we are studying.