

PIMA COLLEGE - EAST
 ASTRONOMY/PHYSICS
 FALL SEMESTER 2009

Course: PHY 121 Time: 08:00 - 9:40am M W Lec. 11706 Room: M1
 PHY 121LB TBA Lab. 11707

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Week of	Date	Assignments		Topic
		Reading	Lab	
1	24 Aug	1		Introduction
2	31	1		Math Review
3	7 Sept	2		1 D Motion
4	14	3	2	2 D Motion/EXAM 1
5	21	4		Newton's Laws
6	5 Oct	5	3	Forces
7	12	6		Gravitation/EXAM 2
8	19	7	4	Work and Energy
9	26	8		Momentum
10	2 Nov	9	5	Conservation of Energy & Momentum/EXAM 3
11	9	10	6	Fluids
12	16	11	7	Temp
13	23	12	8	Thermodynamics/EXAM 4
14	30	13	9	Kinetic Theory
15			10	
	9 Dec			FINAL EXAM

Text: Physics by Benjamin Crowell . FREE internet download. Lab Text PHYSICS 121 Lab Book, by Pitucco ed al, Pima College. 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.

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 a weekly quiz given at the beginning of class. This quiz 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 student will design the tenth experiment. 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

PHY121LB Laboratory Assignment Due Dates and Grade Sheet
Pima College – East Campus
Fall 2009 Semester

Week	Due Date (Week of)	Lab Title	Grade
1	1 Sept	1 Measurement	_____
2	8	2 Linear Motion	_____
3	15	3 2D Motion	_____
4	22	4 Forces	_____
5	29		
6	6 Oct	5 Gravity	_____
7	13		
8	20	6 Friction	_____
9	27	7 Centripetal Motion	_____
10	3 Nov	8 Work and Energy	_____
11	10		
12	17	9 Linear Momentum	_____
13	24		
14	8 Dec	10 Ballistic Pendulum	_____