

PIMA COLLEGE - EAST
 ASTRONOMY/PHYSICS
 Fall Semester 2009

Course: AST 101 Time: 11:40 - 12:55pm M W Lec: 10258 Room:M1
 AST 101LB TBA 10261
 Evening Observations as scheduled
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Week of	Date	Assignments		Topic
		Reading	Lab	
1	24 Aug	1		Introduction
2	31	2	1	History of Astron
3	7 Sept	3	2	Ancient Astronomy
4	14	4	3	Instruments of Ast
5	21	5	4	EXAM 1 /Night Sky
6	28	6	5	Origin of Solar Sys
7	5 Oct	7	6	Earth and Moon
8	12	8	7	Mercury
9	19	9	8	Venus
10	26	10	9	EXAM 2 / Mars / Jupiter
11	2 Nov	11	10	Saturn
12	9	12	11	Outer Planets
13	16	13,14	12	Comets, Asteroids
14	23	15,16	OSM	Meteorites
15	30 Nov	17	OSM	E.T. Life
	9 Dec	FINAL EXAM		

Any Astronomy Text i.e. Universe. By William Kaufmann. Any Edition. W.H. Freeman. Free downloads
 Lab Text: Lab packet for AST 101LB contains lab activities. Supplied for you.
 Note: OSM - observation session makeup. 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.

ASTRONOMY GRADE AST101/AST101LB

Lecture

The lecture grade will be based on the following:

There will be three exams. Exam three will be a comprehensive final. The average of these exams will be 40 % of your final lecture grade.

There may be a weekly quiz given at the beginning of class. This quiz will cover the current class material. The average of the quizzes will be 40 % of your final lecture grade, for example:

Exam average is 79 % Quiz average is 81 %

Exam Average 79% X .40 = 31.6 % Quiz Average 81% X .40 = 32.4 %

There will be one computer simulation. This is a major project based on knowledge gained during the class. This project will be 20 % of your final grade.

The **computer simulation** activity will be assigned a grade of

0 % if it is not completed

70 % if it is completed and the results are greater than 15% of the accepted value and the work done meets the standards of the discipline as determined by the professor

100 % if it is completed and the results are within 15% of the accepted value and the work done meets the standards of the discipline as determined by the professor

For example, if the Simulation Grade is 70 %

70 % X .20 = 14 % This is 40 % of the final lecture grade.

The **final average** for the lecture is:

Exam 31.6 % + Quiz 32.4 % + Simulation 14 % = 78 %

The assignment of the final lecture grade will be as follows:

90 – 100% = A

80 – 89% = B

70 – 79% = C

50 - 69% = D

Below 49% = F

Laboratory

The laboratory grade will be based on the following:

There will be ten activities. These activities will be from the lab packet materials found in your lab packet and videos that are on reserve in the library.

There will be one lunar log that is to be completed. The lunar log begins on the first day of class and continues for 30 consecutive days. The procedure will be explained in class.

There will be three REQUIRED observation sessions. These sessions will be made from the college's observatory. The observations will be done during the evening and should be spread through out the semester. The observations required will be detailed in class.

The average will be taken of the nine or ten lab activity grades plus the lunar log grade plus the three observation sessions.

The lunar log is worth 100% if it is completed. The observation sessions are worth 100% each if completed. Each lab activity is graded separately and will receive a grade from 0% to 100%. There will be 13 or 14 grades which will be averaged. That average will be assigned a grade as follows:

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.

Study groups are very helpful and I encourage you to form them during the first week of class.

AST 101LB Laboratory Assignment Due Dates and Grade Sheet
Pima College-East Campus
Fall 2009 Semester

Week	Due Date	Lab Title	Grade Received
1	1 Sept	1 The Metric System	_____
2	8	2 Solar System to Scale	_____
3	15	3 Equatorial System	_____
4	22	4 Phases of the Moon	_____
5	29	5 <u>Harmony of the Worlds</u>	_____
6	1 Oct	LUNAR LOG	_____
7	13		
8	20	6/7 Law of Reflection/ Law of Refraction	_____
9	27		
10	3 Nov	8 Telescopes	_____
11	10	9 <u>Blues for a Red Planet</u>	_____
12	17	10 Planetary Properties	_____
13	24		
14	3 Dec	JUPITER'S MOONS	
		OBSERVATIONS	
	22 Sept	#1 Visual Drawing	_____
	27 Oct	#2 Photographic	_____
	8 Dec	#3 CCD electronic imaging	_____

JUPITER'S MOONS is the computer simulation activity that was explained to you during class. The grade you receive on it is part of the lecture grade NOT the lab grade. The three observations are part of the lab grade. Labs 5 and 9 are based on videos and can be found in the library reserve section or the observatory student work area. Labs not turned in on time will be given a grade of 0%.

Name: _____

