

Mathematics and Natural Sciences-Department of Chemistry and Physics

PHYSICS 1404
INSTRUCTOR

Astronomy-SOLAR SYSTEM
Dr. Mike Broyles
Office: J139 SCC tel (972) 881-5882
email: mbroyles@collin.edu use cougar email
website: see Professor's websites
Office hrs: MWF 10:00-11:00 AM, TR 11:30 AM-12:30 PM, or by appointment .

CLASS MEETS:
LAB MEETS

TR: 10:00 AM-11:15 AM in H227 (S01)
T: 4:00 PM-6:50 PM in H130 (S1L)
M: 7:00 PM-9:50 PM in H130 (S7L)

TEXT

Astronomy Today Volume 1 The Solar System by
Chaisson and McMillan, 5th edition or 6th edition.

LAB MANUAL
SUPPLIES

Your lab instructor will provide
more information regarding supplies for the lab.

Spring 2010

Week	Text Chapter for Lecture
1	Introduction and Chapter 1
2	1,2
3	2,3
4	3,4
5	4,5
*****UNIT 1*****	
6	5,6
7	7
8	8
9	9
*****UNIT 2*****	
10	10
11	11
12	12,13
*****UNIT 3*****	
13	13,14
14	14,15
15	16
*****UNIT 4*****	

Exam dates

Unit 1 Exam Chapters 1-4 Week 5 in class (Scantron form needed)
Unit 2 Exam Chapters 5-8 Week 8 in class (Scantron form needed)
Unit 3 Exam Chapters 9-12 Week 12 in class (Scantron form needed)
Unit 4 Exam Chapters 13-16 on Tuesday 5/12/10 from 10:00 AM-Noon in class
Also bring a Scantron form for Exam 4-The Final Exam.

EVALUATION METHODS

The following procedure will be used to determine grades. Note that there are two columns, one for the maximum number of points possible and another column for you to enter the actual number of points that you earned on that component.

A. Exams (4)	Possible Points	Actual Points
Unit 1 Exam	100	_____
Unit 2 Exam	100	_____
Unit 3 Exam	100	_____
Unit 4 Exam	100	_____
Total Exam	400	_____

Please note again that all exams are given in class. Bring a Scantron Form for all exams. Exams are multiple choice and average between 40-60 questions. Class notes are permitted for all exams (textbooks are not allowed). You must take the exams on time or face a minimum 10% deduction from your score. Testing dates will be announced in class and exams missed are subject to penalty deductions.

B. Laboratory Exercises. Your laboratory grade is part of your overall grade for this course. Your laboratory instructor will assign you laboratory exercises to be completed during that lab period. You will be graded on a point scale for each lab. The total number of points possible for the laboratory is 300. Multiply your laboratory grade average percentage times 300 to obtain your lab score.

Possible Points	Actual Points
300	_____

- C. Research Paper or Project: You may do either a research paper or project for this course. If you do a research paper you must include the following:
1. Paper must be typed (handwritten is not acceptable), double spaced, 5-10 pages not including the title page.
 2. Paper must have an attached bibliography or list of references, not all of which are from the internet.
 3. Paper must be written in your own words or paraphrased, you need to use quotes or footnotes for proper reference.
 4. Paper must be over an appropriate topic in astronomy, the topic should not be too broad; -. these titles are not acceptable , “The Planets of the Solar System”, “History of the U.S. Space Program”.
 5. You may give a Power Point presentation to the class in lieu of a conventional paper. Proper credits or works cited need to be included in the presentation. Present by the last week of regular class.

If you would rather do a project instead, use the following guidelines:

1. Build something that you can bring to class, for example a working sundial, telescope, model of a planet or solar system.
2. If you submit a project, you will still need to document your efforts with a 2-3 page typed report with an attached bibliography of not less than 3 references.

The paper or project will be due on 5/06/10; you will need to plan this work some time in advance so you have enough time to complete it. We have an excellent selection of astronomy books and journals here at the LRC at CCCC for your research efforts. If you need help see a reference librarian.

Possible Points	Actual Points
100	_____

NOTE THAT ALL WORK THAT YOU TURN IN FOR CREDIT MUST BE RECEIVED BY 5/6/10. NO WORK WILL BE ACCEPTED DURING FINALS WEEK EXCEPT THE FINAL EXAM AND HOMEWORK 4. ALL WORK THAT YOU WANT GRADED SHOULD BE TURNED IN TO ME PERSONALLY; DO NOT ATTEMPT TO PLACE OR SLIDE ASSIGNMENTS UNDER MY OFFICE DOOR. ALSO NOTE THAT THE LAST DAY TO WITHDRAW FROM A COURSE FOR THE SPRING IS 3/12/10. THE INSTRUCTOR CANNOT DROP A STUDENT, STUDENTS MUST WITHDRAW THEMSELVES.

**PLEASE TURN OFF YOUR CELL PHONE IN THE LECTURE AND LAB
THESE CAN BE VERY DISRUPTIVE TO THE ENTIRE CLASS.**

**PLEASE OBTAIN THE CONSENT OF THE INSTRUCTOR IF YOU INTEND
TO RECORD ANY LECTURE OR LABORATORY FOR USE OUTSIDE OF
THE CLASSROOM OR LABORATORY.**