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Astronomy & Astrophysics I. 95.383/583 Fall 2011
Information / Course Policy

Instructor : Dr. Silas Laycock
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Course Websites: <http://faculty.uml.edu/slaycock/95.383>

Pre-Requisite Core Physics curriculum

Course Schedule: MWF@1pm

Class: Monday/Wednesday/Friday @ 1pm
If you know that you will miss a class for unavoidable reasons, please contact me in advance.

Office Hours: Please send email to make an appointment.

Materials:

- Textbook: "Astrophysics in a Nutshell" by Dan Maoz, Princeton.

Homework :

Weekly homework assignment based on end of chapter problems in the text, and analysis of astronomical data using the principles covered in the course.

Reading

Read the relevant chapter before each class.
Additional reading will be assigned throughout the course

Rules/Policies

1. Make your own notes in the lectures.
2. Bring your Scientific Calculator to every class
3. No phone calls, no U-tube, no Emailing, no web browsing, no distractions.
4. Attendance is required. Contact me *in advance* to make arrangements if you will miss a class for a valid reason.
5. Do the reading before each lecture.
6. Don't ask for extensions on homework deadlines.

Quizzes

There will be a weekly in-class quiz.

Mid-Term Exam: Date:

Final Exam: Date TBD, Coverage – The Entire Course (Chapters 1-9)

You will need a Scientific Calculator and a Pen (Blue/Black) to take the quizzes and final exam. (Ruler, compass, square, pencil, eraser may be useful). No other equipment will be allowed.

Grading Scheme

Homework	20%
Quizzes	10%
Mid-Term Exam	20%
Final Exam	50%

Syllabus:

Week	Subject (approx coverage)	Chapter
1	Observational Astronomy	1
2	Observational Astronomy	1
3	Stars: basic observable properties	2
4	The HR diagram	2
5	Stellar Structure	3
6		3
7		3
8	Stellar Evolution	4
9		4
10	The Interstellar Medium	5
11	Galaxies	6
12		6
13	Cosmology	7
14		8
15		9