



Textbook: *Pathways to Astronomy*, by Stephen Schneider & Thomas Arny. (3<sup>rd</sup>, 2<sup>nd</sup> or 1<sup>st</sup> ed.)  
ISBN: 987-0-07-726311-9

Course Grading:	3 Mid-term Exams (15% each exam)	<b>45%</b> of final grade
	Final Exam	<b>20%</b> of final grade
	Homework Exercises	<b>25%</b> of final grade
	2 Written Assignments	
	5% each	<b>10%</b> of final grade
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	<b>TOTAL</b>	<b>100%</b>

Exam Policy: If you miss an exam without prior approval, you **must** e-mail me or call me and leave a message **AS SOON AS POSSIBLE!** If you just wait until the next class meeting to talk with me, you will not be allowed to take the exam.

Homework Policy: Late homework (by next class) is worth half credit. No credit after next class. Do your own work! You can work with others, but **DO NOT COPY ANYONE ELSE'S ASSIGNMENT!** Copied assignments will be given **ZERO!** This will be true for ALL involved in copying.

Extra Credit: The **ONLY** form of extra credit is based on quizzes over constellations presented in the planetarium. You must attend the E-C meetings in the planetarium in order to qualify for the extra credit, not just take the quiz. The total extra credit that can be earned is 5% of the overall grade. There are **no projects or papers** for extra credit!

Attendance Policy: Regular attendance is **REQUIRED**; it does **NOT** earn a passing grade. Poor attendance or regularly missed classes will result in being dropped from class.

For M-W and Tu-Th classes, you will be dropped from this course if you miss **THREE (3) consecutive** class meetings!

For Monday evening classes, you will be dropped from the course if you miss **TWO (2) consecutive** class meetings! Roll will be taken **TWICE!**

Classroom Behavior: Politeness is important!! If you yawn, cover your mouth and keep quiet!

Talking while I am presenting course material should be kept at a minimum!  
Talking during group exercises and worksheets is required!

The classroom is NOT a lunch room. Water only! No slurping!

Cell phones should be turned off. If your cell phone goes off during an exam, you will be done with the exam and hand it in. So, turn it off!

Coats, backpacks, purses and other such things will be placed on the floor during class. Note-taking material should be on the desk, that's all.

Boyfriend-girlfriend: Hands to yourself. No squeezing during class.  
Expect not to sit next to each other during exams and quizzes.

Outside the Classroom: The general guide for a college level course is that students should spend **TWO HOURS** outside the classroom on the course for each hour in the classroom. As this course meets for 3 hours a week, this is **SIX HOURS** per week. If you are not spending at least 3 to 4 hours each week outside the classroom on this course, you are **not meeting your responsibility** as a student in this course. This is **NOT** just time on homework, but means reading, studying and reviewing!

Course Quotation: "**The mind is not a vessel to be filled, but a fire to be kindled (ignited).**" - Plutarch

**"All hope abandon, ye who enter here."** From Dante's *Divine Comedy*.

**"Ah gravity, thou art a heartless bitch."** Sheldon Cooper

Important Withdrawal Dates: Last day to withdraw without W on transcript: Sunday, Feb. 2<sup>nd</sup>.  
Last day to withdraw with W on transcript: Friday, April 11<sup>th</sup>.

Any student with a documented disability who may need educational accommodations should notify the Instructor and the Disabled Student Programs and Services (DSP&S) Office as soon as possible. The DSP&S Office is in Room 2117 of the Health Sciences Building (355-6312).

Course Webpage: <http://spaces.imperial.edu/russell.lavery/Ast100/front100.html>

## Astronomy 100 -- Spring 2014 -- Tues-Thurs Course Syllabus

DATE	SUBJECT	READINGS
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Jan 21 Tu	Introduction	
23 Th	Earth and Sky Coordinates	Unit 5
28 Tu	Annual Motion of the Sun	Units 6, 7, and 9
30 Th	The Reason for Seasons	Units 6, 7, and 9
Feb 4 Tu	Phases of the Moon	Unit 8
6 Th	Solar and Lunar Eclipses	Unit 8
11 Tu	Early Astronomy	Unit 10
13 Th	Astronomical Revolution I	Units 11 & 12
18 Tu	Astronomical Revolution II	Units 11 & 12
20 Th	Solar System Overview	Units 34 and 35
<b>25 Tu</b>	<b>First Mid-Term Exam</b>	
	Planetarium EC	
27 Th	The Earth in Detail	Unit 37
Mar 4 Tu	The Moon in Detail I	Unit 39
6 Th	II	Unit 39
11 Tu	The Greenhouse Effect	Unit 41
13 Th	Pluto and Charon	Units 48
18 Tu	The Outer Satellites	Units 47 and 48
20 Th	Light and Radiation	Units 22, 23, 24, and 25
25 Tu	Our Friend, the Sun	Units 51, 52, and 53
<b>27 Th</b>	<b>Second Mid-Term Exam</b>	
	Planetarium EC	
Apr 1 Tu	Basic Properties of Stars	Units 54, 56, 57 and 58
3 Th	The H-R Diagram	Units 59, 60, and 62
8 Tu	Death of Low-Mass Stars	Units 63 and 65
10 Th	Death of High-Mass Stars	Units 67 and 68
15 Tu	Black Holes	Unit 69
17 Th	Our Milky Way Galaxy	Units 71, 72, and 73
22 Tu	<i>Spring Break</i>	
24 Th	<i>Spring Break</i>	
29 Tu	Dark Matter	Units 74 and 79
May 1 Th	Cosmology	Units 77, 80, and 81
6 Tu	Cosmogony	Units 82, 83, and 84
<b>May 8 Th</b>	<b>Third Mid-Term Exam</b>	
	Planetarium EC	
13 Tu	Final Exam Preparation	
<b>15 Th</b>	<b>Final Exam</b>	

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