

Astronomy 10

Stellar Astronomy De Anza College Spring 2018

Instructor: Eric Peterson, Ph.D.

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Office Hours: Wednesday, 5:00 to 6:00 p.m. in E33A

Textbook: <https://openstax.org/details/books/astronomy>
(Select your preferred option under the header: Get This Book.)

Introduction

Astronomy 10 is an introductory course which is intended to provide a survey of our knowledge of the stars, galaxies, and of the entire universe. We will examine both the history of humanity's quest to understand the cosmos as well as the current state of that understanding. The course has no prerequisites. However De Anza College does advise the following: *English Writing 1A* or *English as a Second Language 5*. The class is taught with the non-science major in mind.

Format

Our time in class will be divided between lectures and audio/visual programs, including videos and demonstrations with the Fujitsu star projector and the Digital Sky system. You can expect to be tested on all of the material presented in class as well as in the textbook. The material presented in class will not always be covered in the book, and vice versa.

Because of the closed and darkened nature of the planetarium during audio-visual presentations, class meetings must begin on time. If you arrive late and find the door locked because a program is in progress, do not attempt to enter or knock.

Registration

If you wish to add the class, you must attend the first day, and you must obtain an add code from me. It is your responsibility to use the add code before the deadline.

Attendance

Regular attendance is required. Attendance will be taken at every class meeting, and I will be free to drop you from the course if you have four or more unexcused absences. However, official withdrawal from the class is still the **student's responsibility**.

Reading Assignments

<u>Week of</u>	<u>Chapter</u>
1. April 9	1-2
2. April 16	3-4
3. April 23	5-6

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| 4. | April 30 | 15-16 |
| 5. | May 7 | 17-19 |
| 6. | May 14 | 20, 21.1-21.2, 22 |
| 7. | May 21 | 23-24 |
| 8. | May 28 | 25 |
| 9. | June 4 | 26-27 |
| 10. | June 11 | 28 |
| 11. | June 18 | 29 |

Exams and Grades

Your class grade will be based on your performance on midterm exams and the final examination. There will be **no extra credit**.

There will be three midterm exams. They represent 50% of your grade. Your lowest midterm grade will be dropped. There will be **no makeup exams**. If you miss an exam, that will count as your low score. Students who miss two exams must withdraw before the final withdrawal date or receive an "F" grade for the class.

The final exam will be comprehensive and will account for 50% of your grade. The final exam must be passed in order to pass the class.

The exams will be held on the following dates:

First Midterm Exam:	Wednesday, April 25th, 6:30 pm
Second Midterm Exam:	Wednesday, May 16th, 6:30 pm
Third Midterm Exam:	Wednesday, June 6th, 6:30 pm

Final Examination:	Wednesday, June 27th, 6:15 pm-8:15 pm
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All exams must be taken in class at the scheduled time on the scheduled day.

The exams will be of the multiple choice variety, and they will be graded on a curve. You will need a ParSCORE form and a #2 pencil for each exam.

Planetarium rules

The director of the planetarium hopes that your use of the facility is enjoyable and worthwhile. In order to maintain the Planetarium's valuable services to the community, he asks that you observe the following:

- * Absolutely no food, drink, or chewing gum is allowed in the planetarium.
- * Do not litter.
- * Do not leave bicycles or skateboards inside the building.
- * Do not put your feet on the furniture.

Student Learning Outcome(s):

- *Appraise the benefits to society of astronomical research concerning stars and stellar systems.
- *Evaluate the impact on Earth's characteristics of the evolution of stars and stellar systems.
- *Evaluate astronomical news items or theories about stellar astronomy based upon the scientific method.