

## ASTRONOMY 10

### **Stellar Astronomy** De Anza College Winter 2022

Instructor: Eric Peterson, Ph.D.

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Office Hours: Wednesday, 4:00 to 4:50 p.m. on Zoom

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**

I am trying to keep things simple. Each week I would like you to do the following:

1. Read the assigned reading for that week
2. Watch assigned powerpoint lecture(s)
3. Watch assigned video(s)
4. Take a short quiz

The reading assignments are on the next page of the syllabus. In addition there will be a midterm exam during week six and a final exam the week of March 21st.

### **Exams and Grades**

Your class grade will be based on weekly quizzes, a midterm exam, and a comprehensive final exam. All will be online through Canvas. The quizzes will constitute 50% of your grade; each individual quiz will be 5% of your grade. The midterm and the final will each be 25% of your grade. The questions will all be of the T/F or multiple choice variety

## **Reading Assignments**

<b><u>Week of</u></b>	<b><u>Chapter</u></b>
1. January 3	1, 2.1-2.3
2. January 10	2.4, 3, 4.1-4.2, 4.5-4.7
3. January 17	5-6
4. January 24	15-16
5. January 31	17-19
6. February 7	20, 21.1-21.2, 22
7. February 14	23-24
8. February 21	25
9. February 28	26-27
10. March 7	28
11. March 14	29
12. March 21	Final Exam

## **Student Learning Outcomes**

- \* 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.