ASTRONOMY 10

Stellar Astronomy
De Anza College
Spring 2021

Instructor: Eric Peterson, Ph.D.
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Office Hours: Wednesday, 6:30 to 7:20 p.m. by synchronous email

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 June 21

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. Your two lowest quiz scores will be dropped, and there will be one extra credit quiz. The midterm and the final will each be 25% of your grade. All questions will be true/false and multiple choice.

Reading Assignments

	Week of	**Chapter**
1.	April 5	1, 2.1-2.3
2.	April 12	2.4, 3, 4.1-4.2, 4.5-4.7
3.	April 19	5-6
4.	April 26	15-16
5.	May 3	17-19
6.	May 10	20, 21.1-21.2, 22
7.	May 17	23-24
8.	May 24	25
9.	May 31	26-27
10.	June 7	28
11.	June 14	29
12.	June 21	Final Exam

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.