Astronomy 10 SYLLABUS

Fall 2021

- **Schedule #s 55000 and 55001**

- **Lab class on Thursdays from:**
  - **9 -11 AM for section 55000**
  - ***OR*** **11AM – 1 PM for section 55001**

- **The labs will be in both rooms PHY 70 & 75 to maintain social distancing, when required**

Contact Information:

- Instructor Name: Lauren J. Novatne
- Phone Number: 638 – 3641 ext. 3434
- Email: lauren.novatne@reedleycollege.edu

Office Hours:

- Office (PHY 71) hours: In person:
  - Thursdays from 1:30 – 2:30 PM
  - Fridays from 12:30 - 1:30 PM
- Virtual Office hours via email:
  - Tuesday 9 – 10 AM
  - Wednesday 9 – 10AM

Recommended Course Materials:

Textbook: **Is online and FREE!!** There is a module close to the top of the Canvas page called "Astronomy Textbook and Crash Course Astronomy Link for this class". Click on the file titled "Astronomy textbook – it's a pdf file that you can view online or download to read. It's a big file, so it takes a bit of time to download, just so you know.

Course Objective:

This course covers Astronomical concepts with a minimum of math, while fulfilling the science with a lab general education requirement for the CSU and UC systems. The topics covered in this course are: The planets, solar system mechanics, stellar evolution, galaxies and basic cosmology.

Calendar:

- Holidays: Monday September 6th, Thurssday November 11th, Thursday and Friday November 25th & 26th
  - THE CAMPUS IS CLOSED ON THESE HOLIDAYS
- Final Exams week December 6th – 10th

- Last day for students to drop a semester-length class and qualify for a refund: Friday, August 20th
- Last day for students to register for a semester-length course and last day to drop full-length class to avoid a "W" Friday, August 29th
- Last day for students to change a semester-length course to or from Pass/No-Pass grading option Friday, September 10th
- Last day for students to drop a semester-length course (a letter grade must be assigned after this date) Friday, October 8th

Final Exam: unknown at this time – watch the announcements on our Canvas page

Exams:

Exams: There will (probably) be three midterm exams and one final exam. The exams have conceptual questions that are multiple choice in format, and some short answer questions from the lab activities, the CCQs and the Reading questions. There will also be some very simple algebra problems that are appropriate for astronomy. Don't worry; you'll have lots of support for the math part. The exams contribute **60%** of your semester grade, so they are very important to prepare for. The exams are online, during our two-hour lab.

Crash Course Questions (CC Qs):

Doing CC Qs assists you in two ways: 1) it helps you learn the material, and 2) it lifts your grade.

The CCQs are **10%** of your semester grade. This means that if you get 100% for the other parts of your grade, and don't do any CCQs, you will get a 'B', not an 'A' for the course. It also means that if you do the CCQs, and the rest of your grade is a 70%, you will get a 'B' in the course, not a 'C'.

Laboratory:

This class has a lab that is mandatory. There will be lab results (sheets that I provide you with) due at the end of each session. The lab results will constitute **10%** of your semester grade.

Reading Questions:

The reading questions will be from the textbook or provided recent scientific articles The Reading Questions are worth **20%** of your grade.

Grading Policy:

% Grade for the Class	Letter Grade For the Class		Category of classwork	% of Class Grade
90 – 100 %	A		Exams	60%
80- 89 %	B		Crash Course Questions	10%
65 – 79 %	C		Lab Reports	10%
55 – 64 %	D		Reading questions	20%
0 – 54 %	F			

Diversity Statement:

Respect for Diversity: It is my intent that students from all diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength and benefit. It is my intent to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated. Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can make arrangements for you.

Upon completion of this course, students will be able to:

A. Solve simple algebraic problems that apply to astronomy topics.
B. Read publications at the college level about introductory astronomy topics through written research paper.
C. Apply reasoning skills regarding the science of the universe to solve mathematical and non-mathematical problems in astronomy

Accessibility Accommodation

If you have a verified need for an academic accommodation or materials in alternate media (i.e., Braille, large print, electronic text, etc.) per the Americans with Disabilities Act (ADA) or Section 504 of the rehabilitation Act, please contact me as soon as possible.