



Course Syllabus: Astronomy

Course Description

The study of the matter and energy beyond the earth's atmosphere and the relationship between the earth and that matter and energy. Topics include the structure and origin of planets and planetesimals, stars, galaxies and galaxy clusters, dark matter, the edge of the universe, and the energy of the universe.

This course has three sections: Astronomy A is the first half of the course and includes Modules 1 – 5. Astronomy B is the second half of the course and includes Modules 6 –10. Astronomy Y is the entire course and includes Modules 1 – 10.

This course includes the following modules:

Module 1 - Light and Telescopes

Module 2 - Sky Observations and Measurements

Module 3 - Astronomy History and Motion

Module 4 - Terrestrial Planets and the Moon

Module 5 - Gas Giants, Frozen Worlds, and the Outer Solar System

Module 6 - Stars and Stellar Evolution

Module 7 - Galaxies and the Universe

Module 8 - Life Elsewhere

Module 9 - History of Spaceflight

Module 10 – Citizen Science Research Project

Textbook

There is no required textbook for this course. All content is digital and available in the online course modules.

Course Participation Policy

Students should follow the Course Schedule (located in Course Information area of course) and all course work must be submitted no later than 11:59 PM on the due date.

After the due date has passed, instructors will enter zeros in the Grade Center for work not submitted by the deadline. During student breaks and towards the end of the semester, students may have the opportunity to improve their course grade by completing and submitting work with grades of zero from earlier in the semester. Zeros will remain in the Grade Center until course work is submitted and evaluated by the instructor.

The CVA term ends prior to the end of the traditional school semester. The final date work will be accepted each term is posted on the CVA website (cobbvirtualacademy.org).

Grading

Grades for the course are calculated based on category percentages as follows:

Quizzes	=10%
Assignments	= 20%
Experiments	=20%
Tests/Projects	= 30 %
Blogs	=10%
Final Exam	= 10%

Academic Integrity

Academic integrity is the cornerstone of learning at CVA and we take the integrity and authenticity of student work very seriously. When academic integrity is maintained, students will make decisions based on values that will prepare them to be productive, meaningful, and ethical citizens.

Students are required to abide by the CVA Academic Integrity Policy. Academic dishonesty in any form will not be tolerated. The CVA Academic Integrity Policy outlines the consequences if students fail to maintain academic integrity in their course. For additional information, the CVA Academic Integrity Policy is posted on the CVA website.

Additional General Information

- Students must complete the mandatory online CVA Student Orientation each term before any course work will be graded by the instructor. Only one Student Orientation is completed each term.
- All course work must be submitted through Blackboard in the format requested. Students should have access to Microsoft Office and submit assignments in that format. All CCSD students have access to the Office 365 Suite. Assignments submitted through email will not be accepted.
- The Grade before Final Exam column in the student Grade Center shows the current grade for the course and is automatically calculated.
- Students in all sections of this course will take an online final exam during the times indicated on the CVA website.