

# ASTRONOMY (ASTRO)

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**ASTRO 010 Introduction to Astronomy 3 Units**

Students will study astronomical processes related to the structure and origin of the solar system, the Milky Way, the lives of stars, galaxies, and the search for extraterrestrial life. The relationship of these processes to each other and to overarching astronomy concepts, such as the evolution of our universe and the laws of physics will be examined. Major focuses include communicating scientific concepts, the impact these processes have on civilization and recent research. The scientific method is illustrated as it relates to analyzing astronomy problems. Fieldtrips may be required.

Lecture Hours: 3 Lab Hours: None Repeatable: No Grading: L

Advisory Level: Read: 3 Write: 3 Math: 2

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B1 IGETC: 5A District GE: B1

**ASTRO 010L Introductory Astronomy Lab 1 Unit**

Students will make observations with portable telescopes on campus and use computer simulations to help visualize astronomical events. Students will make use of models to reproduce the apparent motion of planets and stars in the sky. They will investigate the properties of light and how our view of astronomical phenomena is affected by those properties. They will also explore astronomy in the news including current NASA missions and the search for signs of life's footprints outside of Earth. Fieldtrip(s) may be required.

Lecture Hours: None Lab Hours: 3 Repeatable: No Grading: L

Prerequisite: ASTRO 010 with C or better, or concurrent enrollment in ASTRO 010

Advisory Level: Read: 3 Write: 3 Math: 1

Transfer Status: CSU/UC Degree Applicable: AA/AS

CSU GE: B3 IGETC: 5C District GE: B3