

Astronomy

(See also [Physics](#))

ASTR 100 INTRODUCTION TO ASTRONOMY

Survey of modern astronomy: study of what our civilization knows about the universe and our place in it, including the Earth-Moon system, the Solar System, extrasolar planetary systems, the birth and death of stars, the Milky Way galaxy, and cosmology. Emphasis is also placed on how astronomers learn about the universe, such as the nature of light, telescopes, and the scientific method. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 3

Hours/semester: 48-54 Lecture; 96-108 Homework

AA/AS Degree Requirements: Area B1

Transfer Credit: CSU (CSU GE Area B1), UC (IGETC Area 5A)

ASTR 101 ASTRONOMY LABORATORY

Introduction to the tools and methods of astronomy and understanding of the scientific process. Introduction to the celestial sphere, scale model solar system, telescopic observations, use of computer models, comparative planetology, and astronomical data representation. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 1

Hours/semester: 48-54 Lab

Prerequisites: Completion of, or concurrent enrollment in ASTR 100 or 115 or 125 (ASTR 115 and 125 are offered at College of San Mateo). Successful completion of Elementary Algebra or equivalent, or placement by other measures as applicable.

AA/AS Degree Requirements: Area B3 - only if ASTR 100 is successfully completed prior to or concurrently with ASTR 101

Transfer Credit: CSU (CSU GE Area B3 - only if ASTR 100 is successfully completed prior to or concurrently with ASTR 101), UC (IGETC Area 5C*)

ASTR 695 INDEPENDENT STUDY

Designed for students who are interested in furthering their knowledge via self-paced, individualized instruction provided in selected areas or directed study to be arranged with instructor and approved by the division dean using the Independent Study Form. Varying modes of instruction can be used -- laboratory, research, skill development, etc. For each unit earned, students are required to devote three hours per week throughout the semester. Students

may take only one Independent Study course within a given discipline. *Grade Option (Letter Grade or Pass/No Pass). Degree Credit.*

Units: 0.5 - 3

Hours/semester: 24-162 Lab

Transfer Credit: CSU

