

# ASTRONOMY

(ASTR)

## Program Learning Objectives

- Differentiate between planets, stars, galaxies, and the universe in terms of scale.
- Explain and discuss basic astronomical phenomena, including the seasons, the phases of the Moon, eclipses, and planetary motion.
- Explain and discuss the origin, development, and properties of planetary systems, stars, galaxies, and the universe.
- Explain how theories in astronomy are based on observations

## ASTR 1

### Introduction to Astronomy

3 units, 3 hours lecture (GR or P/NP)

Recommended preparation: Math 201 or 210D, and 202

Not open for credit to students who have completed or are concurrently enrolled in Astr 10.

Acceptable for credit: CSU, UC

Introduction to the universe and insight into its mysteries: Development of modern astronomy, light, astronomical instruments, a brief survey of the solar system, the Sun, the stars, novae and supernovae, neutron stars, black holes, galaxies, and cosmology. 1911.00

AA/AS area 1; CSU area B1; IGETC area 5A

# ATHLETICS

See listing for **Kinesiology & Athletics**.

