Astronomy
Credit, Degree Applicable Courses

ASTR 16. Observational Astronomy (1 unit)
Laboratory – 3 hours weekly
Prerequisite: Completion of, or concurrent enrollment in ASTR 1 or 14 or 17 or 18 or 19

Catalog Description
Through direct investigation, students will examine the motion and appearance of the night sky, characterize and classify astronomical objects such as planets, moons, stars, nebulae, and galaxies, and become familiar with modern observational tools and techniques.

Transferability
UC/CSU - This course satisfies the general education Area C requirement for the Associate degree, the general education Area B3 requirement for all campuses of the California State University, and is acceptable for elective credit under the Intersegmental General Education Transfer Curriculum Area 5C at all campuses of the University of California.

Method of Grading
Letter Grade (cannot be taken for Pass/No Pass option)

Upon completion of this course the student will be able to:
A. Identify and locate a broad range of celestial objects including constellations, planets, moons, stars, nebulae, and galaxies.
B. Predict the motions of the sun, moon, and planets from the heliocentric and geocentric viewpoints.
C. Analyze and characterize morphologies and spectra to understand the classification of celestial objects.
D. Examine systemic challenges with astronomical devices.
E. Investigate celestial object's characteristics and properties using various astronomical devices and data analysis in comparison to known established classification systems.