

ASTRONOMY

AST-1A

Introduction to the Solar System

3.00 units

UC, CSU

Prerequisite: None.

Advisory: REA-82 or qualifying placement level.

Description: A journey through the fundamental principles of astronomy specifically focused on the observed motions of the night sky, historical developments of astronomical theory, and the scientific principles explaining the physical characteristics and formation of the solar system. Part one of two courses which complete the fundamental knowledge base for astronomy. 54 hours lecture. (Letter grade only.)

AST-1B

Introduction to the Stars and Galaxies

3.00 units

UC, CSU

Prerequisite: AST-1A.

Description: A journey through the fundamental principles used to describe the sun, stars, galaxies and the universe as a whole. Description of observational measurements, determination of the physical properties and the theoretical predictions of stellar evolution, properties of; black holes, neutron stars, supernovae, quasars. Classification of, and determination of physical properties of galaxies and cosmology are covered as well. Part two of two courses that complete the fundamental knowledge base for astronomy. 54 hours lecture. (Letter grade only)