

AST 151 General Astronomy I

COURSE DESCRIPTION:

Prerequisites: DRE-097 **OR** ENG-002

AND

DMA-010, DMA-020, and DMA-030 **OR** MAT 003, or satisfactory score on placement test.

Corequisites: AST 151A

This course introduces the science of modern astronomy with a concentration on the solar system. Emphasis is placed on the history and physics of astronomy and an introduction to the solar system, including the planets, comets, and meteors. Upon completion, students should be able to demonstrate a general understanding of the solar system. *This course has been approved to satisfy the Comprehensive Articulation Agreement (CAA) for students transferring to a four-year institution.*

- D. Doppler Effect
 - E. Spectral-Line Analysis
- IV. Telescopes
- A. Optical Telescopes
 - B. Radio Telescopes
- V. The Solar System
- A. Formation of the Solar System
 - B. The Sun (Sol)
 - C. Earth and Luna
 - D. Terrestrial Planets and Their Moons
 - E. Jovian Planets and Their Moons
 - F. Pluto, Asteroids, and Other Solar System Bodies

REQUIRED TEXTBOOKS AND MATERIALS:

To be selected by Instructor/Discipline Chair.