

ASTRONOMY (AST) - ROCK COUNTY

Courses

AST 105 THE SOLAR SYSTEM 3 Units

Contemporary understanding of the Solar System; the sky and celestial motions; ancient astronomy; the Copernican revolution; light, gravity, orbits, and astronomical instruments; formation of the solar system; sun, planets and moons; asteroids, comets, meteors and meteorites; and the origin of life. May be offered for three credits without laboratory work or for four credits with laboratory work consisting of telescopic observation, laboratory demonstration and/or astronomy exercises.

AST 106 STARS, GALAXIES, AND THE UNIVERSE 3 Units

Contemporary understanding of stellar systems: historical development; light, gravity, atoms and nuclei; astronomical instruments; properties and life cycles of the Sun and stars; black holes; the Milky Way and other galaxies; cosmology.

AST 107 STARS, GALAXIES, AND THE UNIVERSE 4 Units

Contemporary understanding of stellar systems: historical development; light, gravity, atoms and nuclei; astronomical instruments; properties and life cycles of the Sun and stars; black holes; the Milky Way and other galaxies; cosmology. Lab work consisting of telescopic observation, Lab demonstration and/or astronomy exercises.

AST 299 INDEPENDENT STUDY- ASTRONOMY *Repeatable* 1-3 Units

Indp. study under the supervision of an instructor. The work may, for example, consist of advanced Lab investigation into a particular topic or library research & writing of a paper on some subject of interest.

PREREQ: CONSENT OF INSTRUCTOR