ASTRONOMY (ASTR)

ASTR 5 Introduction to Astronomy
3 Units (Degree Applicable, CSU, UC)
Lecture: 54
Prerequisite: Eligibility for ENGL 1A

An introductory, non-technical survey of the Universe. Fundamental concepts and facts of astronomy. Topics include the origin and evolution of planets, stars, and galaxies; results of space exploration and modern cosmology. Enroll in ASTR 5L to receive laboratory science credit. Field trips may be required.
Course Schedule

ASTR 5H Introduction to Astronomy - Honors
3 Units (Degree Applicable, CSU, UC)
Lecture: 54
Prerequisite: Eligibility for ENGL 1A; Acceptance into the Honors Program

An honors course designed to provide an enriched experience. An introductory, non-technical survey of the Universe. Fundamental concepts and facts of astronomy. Topics include the origin and evolution of planets, stars, and galaxies; results of space exploration and modern cosmology. Enroll in ASTR 5L to receive laboratory science credit. Field trips may be required. Students may not receive credit for both ASTR 5H and ASTR 5.
Course Schedule

ASTR 5L Astronomical Observing Laboratory
1 Unit (Degree Applicable, CSU, UC)
Lab: 54
Corequisite: ASTR 5 OR ASTR 5H OR ASTR 7 OR ASTR 8 (May have been taken previously)
Advisory: MATH 51

Practical experience in astronomy including use of telescopes and demonstrations in the college planetarium. Occasional evening observing sessions with the telescopes and other field trips are required.
Course Schedule

ASTR 7 Geology of the Solar System
3 Units (Degree Applicable, CSU, UC)
Lecture: 54

Geological features and evolution in the solar system. Course surveys techniques used to study cratering, tectonic and volcanic activity, weathering, landsliding, erosion and faulting. Emphasis on solid surfaces other than Earth. Enroll in ASTR 5L to receive lab science credit. Field trips required.
Course Schedule

ASTR 8 Introduction to Stars, Galaxies, and the Universe
3 Units (Degree Applicable, CSU, UC)
Lecture: 54

Survey of current astronomical models, structure and evolution of stars, galaxies, and the universe. Field trip(s) required. Enroll in ASTR 5L to receive lab science credit.
Course Schedule

ASTR 11 Introduction to Astrophysics
3 Units (Degree Applicable, CSU)
Lecture: 54
Prerequisite: PHYS 2AG

Quantitative introduction to astrophysics. Topics include: Kepler's Laws, radiation, stars, stellar evolution, the Milky Way and other galaxies, cosmology, and extrasolar planets. Evening observations required.
Course Schedule

ASTR 99 Special Projects in Astronomy
2 Units (Degree Applicable, CSU)
(May be taken for option of letter grade or Pass/No Pass)
Lab: 108

In order to offer students recognition for their academic interests and ability, and the opportunity to explore their disciplines to greater depth, the various departments from time to time offer Special Projects courses. The content of each course and the methods of study vary from semester to semester and depend on the particular project under consideration. Student must have instructor's authorization before enrolling in this class. Students who repeat this course will improve skills through further instruction and practice.
Course Schedule