

ASTRONOMY (ASTR)

ASTR 1000 - Highlights of Astronomy (2 Credits)

This course provides a survey of the major topics in astronomy. Topics include telescopes the planets, eclipses, comets, constellations, stellar types and groups, galaxies and unusual celestial objects. Each class is divided into an illustrated lecture and observation at the CCRI Observatory on the Knight Campus (Warwick), clear skies permitting or a cloudy night astronomical exercise. Note: This elective does not fill the science requirement.

Lecture: 3 hours

ASTR 1010 - The Solar System (4 Credits)

Major topics covered in this course are the historical development of astronomical understanding, concepts of the celestial sphere, the technology of astronomical observations, modern planetary science derived from the space program, small bodies of the solar system and the origin and evolution of the solar system. Evening observing sessions are included as an optional part of the course (clear skies permitting). Note: This course fulfills one lab science requirement for the A.A. Degree.

Lecture: 3 hours, Lab: 2 hours

Course completes the following requirements:

Lab Science Requirement

Mathematics and Science

URI/RIC Transfer General Education Transfer Opportunity: Yes

ASTR 1020 - The Stellar System (4 Credits)

This course includes the study of the science of analyzing radiation that reaches Earth from extraterrestrial objects; the sun; stellar properties; the life cycles of stars; systems containing more than one star including clusters and galaxies, extraordinary objects such as neutron stars, pulsars, black holes and quasars; and the origin and evolution of the universe. Evening observing sessions are included as an optional part of the course (clear skies permitting). Note: This course fulfills one lab science requirement for A.A. Degree.

Lecture: 3 hours, Lab: 2 hours

Course completes the following requirements:

Lab Science Requirement

Mathematics and Science

URI/RIC Transfer General Education Transfer Opportunity: Yes