

ASTRONOMY (ASTR)

ASTR 1013 The Solar System (N)

Description: Recent discoveries about the sun, planets, moons, asteroids, meteoroids, and comets; formation and future of the solar system; interplanetary travel, colonization, terraforming, and the search for extraterrestrial life. Offered in the fall semester. Previously offered as ASTR 1104 and ASTR 1014.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Physics

General Education and other Course Attributes: Natural Science Reasoning

ASTR 1023 Stars, Galaxies, Universe (N)

Description: Recent discoveries about the structure and life cycles of stars, galaxies and the universe; the search for extraterrestrial intelligence; interstellar travel, black holes, wormholes, and tachyons. Offered in the spring semester. Previously offered as ASTR 1024.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Physics

General Education and other Course Attributes: Natural Science Reasoning

ASTR 3023 Astrophysics

Prerequisites: PHYS 2114 or consent of instructor; ASTR 1024 recommended.

Description: Analysis and interpretation of astronomical phenomena in terms of the laws of physics; e.g. stellar structure, the interstellar medium, galaxies and cosmology.

Credit hours: 3

Contact hours: Lecture: 3 Contact: 3

Levels: Undergraduate

Schedule types: Lecture

Department/School: Physics

ASTR 4010 Observatory Research

Prerequisites: PHYS 2114 and consent of instructor; ASTR 1013 or ASTR 1023 recommended.

Description: Team execution of multi-semester observing programs with electronic detectors at OSU's off-campus observatory. Introduction to digital image processing and analysis. Offered for variable credit, 1-2 credit hours, maximum of 8 credit hours.

Credit hours: 1-2

Contact hours: Contact: 1-2 Other: 1-2

Levels: Undergraduate

Schedule types: Independent Study

Department/School: Physics