

Astronomy (ASTR)

Courses

ASTR 121. The Solar System. 4 Credits.

Naked-eye astronomy, development of astronomical concepts, and the solar system.

Additional Information:

Science Area

ASTR 122. Birth and Death of Stars. 4 Credits.

The structure and evolution of stars.

Additional Information:

Science Area

ASTR 123. Galaxies and the Expanding Universe. 4 Credits.

Galaxies and the universe.

Additional Information:

Science Area

ASTR 199. Special Studies: [Topic]. 1-5 Credits.

Experimental course - topic varies.

Repeatable 99 times**ASTR 320. Planets and Exoplanets. 4 Credits.**

This course is a survey of astrophysics regarding planets and exoplanets, including orbital dynamics and kinematics, atmospheric compositions, astronomical observations and techniques, and astrobiology. In addition to covering the theory behind these topics, we will focus on modern astronomical techniques used in this field.

Requisites: Prereq: MATH 252Z, PHYS 252.

ASTR 321. Stellar Astrophysics. 4 Credits.

Problem solving of the orbits, kinematics, and dynamics of astronomical systems, structure and evolution of stars and galaxies.

Requisites: Prereq: MATH 252Z, PHYS 252.

ASTR 322. Galaxies and the Universe. 4 Credits.

This course is a survey of astrophysics regarding galaxies and the universe, including galaxy formation and evolution, our Milky Way, and cosmology including dark matter/ dark energy and the Big Bang theory. In addition to the theory behind these topics, we will also focus on modern astronomical techniques behind used in this field.

Requisites: Prereq: MATH 252Z, PHYS 252.

ASTR 399. Special Studies: [Topic]. 1-5 Credits.

Repeatable.

Repeatable 99 times