

ASTRONOMY (AST)

AST 100 - Astronomy Survey (3 Credits)

3 lecture, 3 total contact hours

Introduces the main concepts of contemporary astronomy using a scientific approach. Topics include the scientific method, the celestial sphere, celestial motions, gravity, light, telescopes, the solar system, stars, the interstellar medium, galaxies and cosmology. Current research in the different areas will be discussed. Knowledge of high school algebra is assumed. IAI P1 906

Typically offered: Fall, Spring, Summer

AST 112 - The Solar System (4 Credits)

3 lecture, 2 lab, 5 total contact hours

Introduces the main concepts of solar system astronomy. Topics include the fundamentals of astronomy, planetary motion, the Earth, the Moon, terrestrial planets, Jovian planets, small bodies in the solar system, the Sun, the formation of the solar system, other planetary systems, and the possibility of extraterrestrial life. Current research in the different areas will be discussed. Knowledge of high school algebra is assumed. IAI P1 906L

Typically offered: Fall, Spring

AST 115 - Stars and Galaxies (4 Credits)

3 lecture, 2 lab, 5 total contact hours

Introduces the main concepts of stellar, galactic, and extra-galactic astronomy. Topics include life cycles of stars, supernovae, black holes, interstellar medium, structure of the Milky Way galaxy, galaxy classification, galaxy interactions, dark matter, dark energy and the Big Bang model. Current research in the different areas will be discussed. Knowledge of high school algebra is assumed. IAI P1 906L

Typically offered: Fall, Spring, Summer