ASTRONOMY (ASTR)

ASTR 1010. Solar System Astronomy (3)
Astronomy from early ideas of the cosmos to modern observational techniques. The solar system planets, satellites, and minor bodies. The origin and evolution of the solar system.
Prerequisites: (MATH 1101 (may be taken concurrently) or MATH 1111 (may be taken concurrently) or MATH 1112 (may be taken concurrently) or MATH 1113 (may be taken concurrently) or MATH 1221 (may be taken concurrently) or MATH 1241 (may be taken concurrently) or MATH 1501 (may be taken concurrently) or COMM with a score of 40 or A02 with a score of 18 or S02 with a score of 430 or ACCM with a score of 070)

ASTR 1020. Stellar and Galactic Astronomy (3)
The study of the Sun and stars, their physical properties and evolution, interstellar matter, star clusters, our galaxy and other galaxies, and the origin and evolution of the Universe.
Prerequisites: ASTR 1010 or MATH 1501 or MATH 1241 or MATH 1221 or MATH 1113 or MATH 1112 or MATH 1111 or MATH 1101

ASTR 1020L. Astronomy Laboratory (1)
A set of laboratory experiments designed to accompany the ASTR 1020 course.
Prerequisites: ASTR 1020 (may be taken concurrently)

ASTR 3010. Topics in Astrophysics (3)
A survey of the methods and results of modern astrophysics for students with a calculus background. Topics are selected from orbital mechanics, gas processes, radiative transfer, spectral analysis, stellar structure and evolution, stellar instabilities, binary star systems, the interstellar medium, stellar remnants, galactic structure and evolution, and cosmology
Prerequisites: PHYS 2211 and MATH 2502