Astronomy-AA (AA)

Courses

AA 100  Introduction to Astronomy (GT-SC2) Credits: 3 (3-0-0)
Course Description: Description of the various objects found in the heavens as well as the principles and techniques employed in investigations of these objects.
Prerequisite: None.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
Additional Information: Biological & Physical Sciences 3A, Natural & Physical Sciences w/o lab (GT-SC2).

AA 101  Astronomy Laboratory (GT-SC1) Credit: 1 (0-2-0)
Course Description: Observations of the various objects found in the heavens with 5-inch reflecting telescope.
Prerequisite: AA 100, may be taken concurrently.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Traditional.
Special Course Fee: No.
Additional Information: Biological & Physical Sciences 3A, Natural & Physical Sciences w/ lab (GT-SC1).

AA 150  Observational Astronomy Credits: 3 (2-3-0)
Course Description: Astronomical objects in the night and day sky; observation with 16-inch telescope.
Prerequisite: None.
Registration Information: Must register for lecture and laboratory.
Term Offered: Summer.
Grade Modes: S/U within Student Option, Trad within Student Option.
Special Course Fee: No.

AA 301  Astrophysics I Credits: 5 (4-2-0)
Course Description: Celestial mechanics, earth-moon systems, planets and satellites, interplanetary medium, origin of solar system.
Prerequisites: (MATH 124) and (MATH 126) and (PH 110 or PH 121 or PH 141).
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall (odd years).
Grade Modes: S/U within Student Option, Trad within Student Option.
Special Course Fee: No.

AA 302  Astrophysics II Credits: 5 (4-2-0)
Course Description: Properties of sun and stars, variable stars, binary and multiple star systems, star clusters, interstellar medium, stellar evolution.
Prerequisites: (MATH 124) and (MATH 126) and (PH 110 or PH 121 or PH 141).
Registration Information: Must register for lecture and laboratory.
Term Offered: Spring (odd years).
Grade Mode: Traditional.
Special Course Fee: No.

AA 303  Astrophysics III Credits: 5 (4-2-0)
Course Description: Properties of the Milky Way, galaxies, quasars and related objects; special and general relativity; cosmology.
Prerequisites: (MATH 124) and (MATH 126) and (PH 110 or PH 121 or PH 141).
Registration Information: Must register for lecture and laboratory.
Term Offered: Fall (even years).
Grade Modes: S/U within Student Option, Trad within Student Option.
Special Course Fee: No.

AA 495  Independent Study in Astrophysics Credits: Var[1-6]
Course Description:
Prerequisite: None.
Registration Information: Written consent of instructor.
Terms Offered: Fall, Spring, Summer.
Grade Mode: Instructor Option.
Special Course Fee: No.