

CGS ASTRONOMY (CGS AST)

CGS AST 100 Survey of Astronomy

3-4 cr.

Descriptive survey of astronomy for students with minimal background in mathematics and science. Topics include the solar system, stars, nebulae, galaxies, cosmology, and astronomical methods.

Prerequisites: High school algebra and geometry or cons. instr. NS; if 4 cr, also LS.

Course Rules: May be offered for 3 credits without laboratory work, or for 4 credits with laboratory work consisting of telescopic observation, laboratory demonstration, and astronomy exercises. Students may not earn credit for both AST 100 and 105.

General Education Requirements: NS

Last Taught: Summer 2020, Spring 2020.

Current Offerings: <https://catalog.uwm.edu/course-search/>

CGS AST 101 Observational Astronomy

1 cr.

Observation of solar system, galactic and extra-galactic objects, and introduction to basic observational techniques in astronomy. Includes telescopic and unaided eye observation, positional astronomy, astrophotography, optic spectroscopy, interpretation of astronomical data, and astronomy laboratory exercises.

Prerequisites: One year of high school algebra and one year of high school geometry or one semester of college algebra. If the prerequisite math course was taken more than five years ago, cons. instr. required.

Course Rules: Students who have CGS AST 200 or CGS AST 100 for 4 credits, or equivalent courses, are not eligible for this course.

General Education Requirements: NS+

Last Taught: Spring 2023, Spring 2022.

Current Offerings: <https://catalog.uwm.edu/course-search/>

CGS AST 105 The Solar System

3 cr.

Contemporary understanding of the Solar System; the sky and celestial motions; ancient astronomy; the Copernican revolution; light, gravity, orbits, and astronomical instruments; formation of the solar system; sun, planets and moons; asteroids, comets, and meteors.

Prerequisites: High school algebra and geometry or consent of instructor.

Course Rules: Students may not receive credit for both CGS AST 100 and 105.

General Education Requirements: NS

Last Taught: Fall 2022, Summer 2022.

Current Offerings: <https://catalog.uwm.edu/course-search/>

CGS AST 106 Stars, Galaxies and the Universe

3 cr.

Contemporary understanding of stellar systems.

Prerequisites: High school algebra and geometry or consent of instructor.

Course Rules: Students may not receive credit for both CGS AST 100 and CGS AST 106.

General Education Requirements: NS

Last Taught: Spring 2023, Spring 2022.

Current Offerings: <https://catalog.uwm.edu/course-search/>

CGS AST 291 Topics in Astronomy

1-5 cr.

An extended coverage of one or more topics in astronomy such as extra-terrestrial life, archaeoastronomy, cosmology, astrophysics, radio astronomy, stellar structure, dynamical astronomy, galactic structure and observational astronomy.

Prerequisites: Math competency at the level of CGS MAT 105.

Current Offerings: <https://catalog.uwm.edu/course-search/>