

Course Number

AST-230-01

Course Description

A laboratory-based course dealing with modern astronomical techniques. The course work will involve primarily nighttime observations with a 20-inch telescope and computer analysis of the data. Techniques covered include CCD observations, sky subtraction, spectroscopy, and photometry. Student projects may include determination of the distances and ages of star clusters; measurements of the variability of stars and of quasars; measurements of the masses of Jupiter, binary star systems, and galaxies; and determination of orbits of asteroids.

Academic Term

21/FA

Instructor

Wilkin, Francis

Location & Meeting Time

Integrated Science & Engineering Complex-118 M/W/F 01:50PM-02:55PM LEC

Petition

Y

Credits

1.00

Capacity

10

Total Students

6

Common Curriculum

WAC Writing Across Curriculum

Academic Department

Physics and Astronomy

Field Of Study

Astronomy (AST)