

ASTR 295: Astronomy Undergraduate Research Project

This course introduces students to methods in astronomical scientific research using telescopes, spectrometers, and CCD cameras. Students enrolled in the course are provided the opportunity to operate telescopes, plan, and design group-oriented research projects, and learn the importance of group work in scientific research. Furthermore, participants get to learn the art of stellar image acquisition, data analysis, and interpretation of their results. Finally, students have the opportunity to publish their research work in scientific journals by completing the required manuscript. Potential research topics may include but are not limited to, observing and collecting data of double stars, variable stars, exoplanets, asteroids, and comets.

Credits: 1

Prerequisites: MATH 100 with a grade of C or better or equivalent and Placement in ENG 100 or Instructor consent

Recommended Prep: ASTR 110