

Competencies -- ASTRONOMY 1020

- Students will understand the basic structure and dynamics of the universe based on physical principles. Competency will be measured by quizzes, one per chapter.
- Students will understand and apply the basic scientific perspective in which the validity of a concept is based on its ability to explain observations in repeatable tests. Their ability to think will be measured during in-class discussions and by their ability to use scientific perspectives on special projects and in the laboratory.
- Students must develop and demonstrate the ability to work with other students cooperatively in a laboratory setting. Their abilities will be demonstrated by laboratory cooperation and by lab book entries showing understanding of diverse projects.
- Students must understand the use of celestial coordinates to predict and specify locations of celestial objects, and be able to demonstrate this understanding in the laboratory.