Overview

Astronomy provides graduate students seeking initial licensure or endorsement and/or to earn their MA degree in secondary or middle grade science education with essential knowledge of astronomy and explores Western history and basic physics of astronomy; phases of the moon and seasons; composition and properties of solar system bodies; stellar evolution and remnants; properties and scale of objects and distances within the universe; and introductory cosmology. A prerequisite for this course is General Physics.

Competencies

▲ The History of Astronomy
The graduate traces Western history of astronomy to place key concepts and famous scientists in cultural context.

▲ The Tools of Astronomy and the Interaction of Matter and Light
The graduate applies tools and techniques necessary to study astronomical objects and events.

▲ The Earth and Solar System
The graduate evaluates composition and structure of our solar system to describe Earth’s place and evolution.

▲ The Sun and Stars
The graduate discusses classification and life cycle of stars, such as our sun and its fate, to explain the diversity of celestial objects, including stellar remnants.

▲ The Milky Way and Beyond
The graduate critiques the structure, composition, and classification of the Milky Way and other galaxies as well as concepts of cosmology and the Doppler effect of light to explain the physical evolution of the universe.

Learning

Getting Started
Welcome to Astronomy! This course uses the Cengage MindTap learning resource to present current information and concepts about Astronomy in an engaging and understandable way. Throughout the course you will have opportunities to test your knowledge and understanding by completing activities and virtual labs. Taking the pre-assessment for the course will help identify what you already know about astronomy and the content you still need to learn. Mastery of the course competencies will be demonstrated by successful completion of an objective assessment.
Assessments

- **Preassessment: Astronomy**
  - **Status:** Not Attempted
  - **# of Items:** 57
  - **Time Allotted:** 150 minutes
  - **Code:** PBL2

- **Objective Assessment: Astronomy**
  - **Status:** Not Attempted
  - **# of Items:** 57
  - **Time Allotted:** 150 minutes
  - **Code:** KTO2

A score of **Competent** or **Exemplary** is required to pass all assessments. Passing a preassessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information click here.

**Course Information**

- The Writing Center
- WGU Library
- Accessibility Policy
- Student Success Center
- Pacing Guide