

## **Astronomy 101/101L**

Students will be aware of models and theories, for example, heliocentric and geocentric models of the universe and the Big Bang theory. Students will be able to recognize how the scientific process was involved in the development and acceptance or rejection of such models and theories.

(Relates to UNM/HED Area III, Competency 1)

Students will be able to use basic laws of physics related to astronomy to estimate answers to various problems. Students will be able to recognize metric units and correct units in which to measure various astronomical properties.

(Relates to UNM/HED Area III, Competencies 2 & 4)

Students will understand basic everyday concepts like seasons, the rising and setting of the Moon and its appearance, and our place in the universe. Students will recognize valid explanations of these phenomena.

(Relates to UNM/HED Area III, Competency 3)

Students will understand environmental issues that arise in the context of astronomy, namely greenhouse gases, the ozone layer and light pollution.

(Relates to UNM/HED Area II, Competencies 2, 3, & 5)

Students will understand the origin and nature of the universe – subjects with relevance to contemporary societal issues.

(Relates to UNM/HED Area II, Competencies 3 & 5)