

Minnesota State University Moorhead

HON 314: Space, Time, and Change: Revolutions in Self Perception

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 03 - Natural Science

This science course examines the scientific basis for three great revolutions in human understanding: The realization that the universe is very large, that it has existed for a very long time, and that every part of it changes with time (focusing in particular on changes in the stars, in the earth, and in life). We will consider how this understanding has influenced human world views and religious beliefs. The course includes lectures and lab activities as well as open discussion of assigned readings. During discussions, students are encouraged to explore and share their own world views as well as examine the views of others. MnTC Goal 3.

B. COURSE EFFECTIVE DATES: 01/09/2008 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Students will consider basic philosophies of thought and how we gain knowledge, particularly the idea that scientific knowledge is based on observation.
2. Students will examine the basis of their own beliefs and consider how scientific understanding of space, time and change have influenced beliefs.
3. Students will learn basic concepts of science, including concepts of uncertainty, astronomy, spectroscopy, stellar evolution, stratigraphy, paleontology, natural selection, and simple genetics through activities, labs, discussion and lecture.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

Goal 03 - Natural Science

1. No Competencies Indicated

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted