

Minnesota State University Moorhead

HON 315: Science and Time

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

An examination of the concept of time in science with special emphasis on the historical field sciences of paleontology and archaeology. Topics to be considered in this course include evolution and change in historical sciences, as well as discussions of calendars and standard forms of time-reckoning. The contrast between relativistic time and ordinary time will be reviewed in order to highlight different scientific study in an interdisciplinary format and to experience an issue-oriented presentation of scientific materials.

B. COURSE EFFECTIVE DATES: 10/22/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Students will develop appreciation for the interdisciplinary means by which scientists have measured time.
2. Students will have ability to speak and write about scientific topics.
3. Students will have understanding of the variety of ways that time has been used as a significant concept in scientific theories.
4. Students will recognize the importance of operational definitions for the discussion of time in different disciplines.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted