

# Minnesota State University Moorhead

## HON 318: Issues of the Nuclear Age

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 2

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: Goal 03 - Natural Science

Science and mathematics are fundamental to a strong society. This course demonstrates general methods of scientific thinking that can be applied to everyday life. We will discuss concepts and principles important for making decisions about radiation and nuclear technologies, such as food irradiation, nuclear weapons, and nuclear power. In particular, you will learn about nuclear physics, and its impact on social issues. You will perform lab activities, discuss or debate ideas, and write analytical papers. MnTC Goal 3.

**B. COURSE EFFECTIVE DATES:** 01/13/2004 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Formulate and test hypotheses by performing laboratory, simulation, or field experiments in at least two of the natural science disciplines. One of these experimental components should develop, in greater depth, students' laboratory experience in the collection of data, its statistical and graphical analysis, and an appreciation of its sources of error and uncertainty.
2. Communicate experimental findings, analyses, and interpretations both orally and in writing.
3. Demonstrate understanding of scientific theories.
4. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

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

Goal 03 - Natural Science

1. Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted