

# Minnesota State University Moorhead

## PHYS 440: Secondary Science Teaching Methods

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 3

Lab Hours/Week: 0

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

For secondary education students. Material and methods typical to high school physics.

**B. COURSE EFFECTIVE DATES:** 06/01/1995 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Students will understand how effective science teachers develop as professionals.
2. Students will understand how effective science teachers establish a learning environment.
3. Students will understand how effective science teachers know how to teach (pedagogy).
4. Students will understand how effective science teachers know their students.
5. Students will understand how effective science teachers know what to teach (content).

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted