

# Minnesota State University Moorhead

## CHEM 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

Materials and methods appropriate for junior and senior high school classes and laboratories. Must be taken prior to student teaching. Same as BIOL 440 and PHYS 440.

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

### C. OUTLINE OF MAJOR CONTENT AREAS

### D. LEARNING OUTCOMES (General)

1. Students will select appropriate content to teach [through use of state standards and other resources].
2. Students will use effective techniques to assess students and their growth, academically and non-academically, before, during, and after instruction.
3. Students will use pedagogical principals appropriate to the students, setting, and content to design effective lessons.
4. Students will Understand the importance of establishing a safe and effective science learning environment for their students.
5. Students will participate in authentic science professional development and become aware of the variety of professional development options available.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted