

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