

# Minnesota State University Moorhead

## CHEM 497: Senior Thesis

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: \*.\*

Lab Hours/Week: 5

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Research studies in all areas of chemistry. A comprehensive research report is required. CHEM 497 should be taken only once.

**B. COURSE EFFECTIVE DATES:** 01/01/2013 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Independent research projects mentored by individual faculty members with varying specific content and expectations.
2. Preparation of a comprehensive written research report in a style suitable for publication in a major American Chemical Society journal.

### D. LEARNING OUTCOMES (General)

1. Apply the scientific method and scientific reasoning to research problems.
2. Communicate their results in written and/or oral form.
3. Present their research in a formal written format, including putting their research into a broader context.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted