

Minnesota State University Moorhead

CHEM 294: Introduction to Research

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduction to Research will present an overview of the research being conducted in the department and introduce students to some broader topics in chemical research. Students will also gain experience with searching and reading the chemical literature, review safety considerations in the research lab, and discuss instrumentation available in the department.

B. COURSE EFFECTIVE DATES: 09/30/2022 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Gain experience using the chemical literature.
2. Identify appropriate experimental and instrumental approaches to research problems.
3. Identify safety issues in a lab setting.
4. Understand the importance of maintaining proper records of research using an appropriate lab notebook.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted