

# Bemidji State University

## CHEM 4771: Physical Chemistry Laboratory I

### A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Physical chemistry laboratory applications. Prerequisites: CHEM 3570; Corequisite: CHEM 4711.

**B. COURSE EFFECTIVE DATES:** 08/02/2010 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Binary Mixture's Phase Diagram
2. Electrochemical Cell
3. Partial Molar Volume
4. Rate of Reaction
5. Viscosity

### D. LEARNING OUTCOMES (General)

1. be able to successfully conduct each lab that is equivalent to the lecture component.
2. be able to understand how the characteristics of hazardous wastes and the safe handling, storage and disposal of such experiments.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted