

# Bemidji State University

## CHEM 3507: Analytical Chemistry

### A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: \*.\*

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

A study of equilibrium processes and the experimental methods and instruments used for quantitative analysis of samples. Prerequisite: CHEM 1112 or CHEM 2212.

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

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Chemicals in Living Systems
2. IUPAC
3. The Periodic Table
4. Theories of Chemical Bonding

### D. LEARNING OUTCOMES (General)

1. familiarize with the basic principles underlying "wet analysis".
2. list the types of analyses studied and explain the types of sample for which each method is and is not especially useful and why.

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

None

### F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

### G. SPECIAL INFORMATION

None noted