A. Course Description

Credits:  
CHEM 112 General Chemistry II with grades of C- or higher.

Prerequisites:  
CHEM 112 General Chemistry II with grades of C- or higher.

Lab Hours/ Weeks:  
Corequisites: None

Lecture Hours/ Week :  
MnTC Goals: None

This laboratory course will include an in depth study of a specific area of chemistry, and may include offerings in forensic chemistry, food chemistry, polymers, thermodynamics, medicinal chemistry, environmental chemistry, or other areas of interest or not represented in regular course offerings within the department. ** Note: this is a variable credit course with credit range of 1 - 4.

B. Course Effective Dates: 08/19/2017 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Explain and apply scientific knowledge in the selected topic of chemistry, both theoretical and experimental, at the upper division level.
2. Read and interpret primary scientific literature in chemistry.
3. Recall, explain and apply the concepts, knowledge and vocabulary of chemistry at the level necessary for success in upper division and/or graduate study in this field.
4. Properly follow procedures for safe handling and use of chemicals.
5. Evaluate and interpret experimental design, data, and results.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: First day attendance required except by instructor permission.