A. Course Description

Credits:

Prerequisites: CHEM 231 Organic Chemistry I AND WRIT 231 Writing II
OR
CHEM 301 Biochemistry AND WRIT 231 Writing II AND instructor permission

Lab Hours/ Weeks: Corequisites: None

Lecture Hours/ Week :

MnTC Goals: None

This is a faculty designed independent study (FDIS) which provides students the opportunity to do independent research in the field of chemistry under the supervision of a resident chemistry faculty member. This course improves students problem solving, analytical, and reasoning skills. At the end of the course, students complete a research report that must be approved by the instructor. The number of credits will be decided by the faculty and the student. ** Note: this is a variable credit course with credit range of 1 - 5.

B. Course Effective Dates: 05/07/2013 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Become familiar with the terminology and literature commonly used in a specific field/area of chemistry.
2. Develop problem solving, numerical/computational, and mathematical skills.
3. Develop a familiarity with the common issues addressed within this field.
4. Demonstrate the conceptual and practical skills necessary to answer questions and solve problems in a specific field/area of chemistry.
5. Receive the necessary background to pursue research interests in related fields.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

Note: Instructor's permission required.