A. Course Description

Credits: 1

Prerequisites: CHEM 332 Organic Chemistry II AND WRIT 231 Writing II

OR

CHEM 301 Biochemistry AND WRIT 231 Writing II

Corequisites: None

This course develops critical analysis of primary scientific presentations by utilizing the many scientific seminar presentations offered in the Twin Cities Area. These presentations include those given by educational institutions such as Metropolitan State University and the University of Minnesota or public seminars given by area industrial speakers. The student chooses eight one-hour seminars to attend; for one presenter, the student conducts further analysis and writes a 5-7 page paper demonstrating how the currently presented research integrates with the presenters past work or the surrounding research community. This course can, with instructor permission, be taken more than once for credit. This course cannot be used to fulfill the General Education Goal III Natural Science requirement. This course may be used to fulfill the upper division credits for the Chemistry minor.

B. Course Effective Dates: 08/25/2012 - Present

C. Outline of Major Content Areas:

See Course Description for major content areas.

D. Learning Outcomes (General)

1. Identify the components of an advanced scientific presentation.
2. Identify current areas of scientific research being conducted in local labs.
3. Identify methodologies and instrumentation used experimentally.
4. Gain confidence in writing about scientific research.
5. Synthesize research about a central topic, organizing individual literature reports into a central written response.

E. Learning Outcomes (MN Transfer Curriculum)

This contains no goal areas.

G. Special Information

None