COURSE DESCRIPTION

- **Credits:** 1
- **Lecture Hours/Week:** *.*
- **Lab Hours/Week:** *.*
- **OJT Hours/Week:** *.*
- **Prerequisites:** None
- **Corequisites:** None
- **MnTC Goals:** None

Laboratory study of the reactions of organic compounds. Prerequisites: CHEM 1112 or CHEM 2212; Corequisite CHEM 3311.

COURSE EFFECTIVE DATES: 08/02/2010 - Present

OUTLINE OF MAJOR CONTENT AREAS

1. Acetaminophen
2. Isolation of Acetaminophen
3. Basic Lab Concepts
4. Competitive Neocleophiles
5. Distillation Pure/Fractionating
6. Essential Oils from Cloves
7. Polymerization
8. Reactivities of Alkyl Halides
9. TLC Analysis of Drugs

LEARNING OUTCOMES (General)

1. apply traditional and modern laboratory techniques, strategies, and safety considerations in the synthesis, purification, identification and quantification of organic compounds, and understand the basic physical phenomena and fundamental chemistry concepts used in these procedures.
2. learn laboratory skills and techniques used to solve organic chemistry problems.
3. successfully communicate the resulting experimental data, observations and analyses in the appropriate scientific format.

MINNESOTA TRANSFER CURRICULUM GOAL AREA(S) AND COMPETENCIES

None

LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

SPECIAL INFORMATION

None noted