

GENERAL INFORMATION	
Course Prefix/Number: CHM 2200L	Course Title: Survey of Organic Chemistry Laboratory
Number of Credits: 1 (2 hour lab)	
Degree Type	<input type="checkbox"/> B.A. <input type="checkbox"/> B.S. <input type="checkbox"/> B.A.S <input checked="" type="checkbox"/> A.A. <input checked="" type="checkbox"/> A.S. <input type="checkbox"/> A.A.S. <input type="checkbox"/> C.C.C. <input checked="" type="checkbox"/> A.T.C. <input type="checkbox"/> V.C.C
Date Submitted/Revised: 10/12/06	Effective Year/Term: 2006-03
<input checked="" type="checkbox"/> New Course Competency <input type="checkbox"/> Revised Course Competency	
Course Description (limit to 50 words or less):  Experiments and exercises will be conducted to introduce students to the basic laboratory techniques that are used in organic chemistry and that re-enforce and illustrate several important topics in organic chemistry.	
Prerequisite(s): CHM 1046L with a grade of "C" or higher	Corequisite(s): CHM 2200

**Course Competencies:** (for further instruction/guidelines go to: <http://www.mdc.edu/asa/curriculum.asp>)

Competency 1: The student will demonstrate knowledge of various experimental methods, procedures, and analyses used in organic chemistry by:

1. Performing experiments that use common laboratory techniques (e.g., melting and boiling point determination, refractive index determination, distillation, extraction, recrystallization, drying, vacuum and gravity filtration, refluxing, chromatographic and spectrophotometric analysis).
2. Synthesizing organic compounds that relate theoretical aspects from the lecture material to the practical aspects of organic chemistry.
3. Using the chemical literature (e.g., CRC Handbook of Chemistry and Physics, Merck Index, and Material Data Safety Sheets [MSDS]) to find and interpret information about chemical reagents.
4. Analyzing the structure, properties and reactions of several organic compounds.
5. Operating and manipulating volumetric and gravimetric equipment in a manner that achieves both accuracy and precision.

Revision Date: 10/17/06

Approved By Academic Dean Date: \_\_\_\_\_

Reviewed By Director of Academic Programs Date: \_\_\_\_\_

Competency 2: The student will demonstrate knowledge of laboratory safety and good laboratory practices by:

1. Identifying and applying standard chemistry laboratory safety procedures.
2. Properly maintaining a scientific notebook.
3. Coming to the laboratory well prepared to perform all scheduled laboratory procedures in a timely manner.
4. Identifying commonly recognized hazardous organic substances and their proper disposal.

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