Course Title: Fundamentals of Organic Chemistry

Semester Course Prefix and Number: CHEM 1512

Old Quarter Course Prefix and Number: CHEM 102

Submitted By: Jason Slattery

Approval Date: Jan 30, 2013

Revision Date: Aug 2012

Course Purpose Code:

- 0 – Developmental Courses
- 1 – Non-transferable
- 2 – Technical course related to career programs
- 3 – College course which has the primary goal of applying certain concepts (e.g. vocal ensemble)
- 4 – Other college course not considered a part of MNTC (e.g. computer science, health, physical education)
- 5 – Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements or intended for transfer.
- 9 – Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:
This course is designed as a survey of organic chemistry. Emphasis is on functional groups, nomenclature, reactions, and applications.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): CHEM 1511 or CHEM 1522 (or previous courses CHEM 101 or CHEM 111 and CHEM 112)

Reading Prerequisite: None

Composition Prerequisite: None

Mathematics Prerequisite: None

Career Programs and Transfer Majors Accessing this Course:
Allied Health Fields

Minnesota Transfer Curriculum Goal(s) partially met by this course if applicable:
(Notes: No more than two goals may be met by any one course. AASC review and the Chief Academic Officer's approval are required.)

0. None
1. Communications
2. Critical Thinking
3. Natural Sciences
4. Mathematical/Logical Reasoning
5. History and the Social and Behavioral Sciences
6. The Humanities and Fine Arts
7. Human Diversity
8. Global Perspectives
9. Ethical and Civic Responsibility
10. People and the Environment
**Learning Outcomes:** (including any relevant competencies listed in the Minnesota Transfer Curriculum)

Upon completion of this course, the student will be able to:

- Demonstrate understanding of scientific theories
- Formulate and test hypotheses by performing laboratory experiments
- Communicate their experimental findings, analyses, and interpretations in writing

**Student Assessment Methods:**
- Locally developed objective exams
- Laboratory reports

**Use of Instructional Technology:** (includes software, interactive video and other instructional technologies):

N/A

**Additional Special Information:** (special fees, directives on hazardous materials, etc.)

N/A

**Transfer Information:** (Please list colleges/majors that accept this course in transfer.)

**Affiliated Mesabi Range College Courses and Programs:**

N/A

**Approvals:**

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**Distribution:** Original – Instructional Services

**Copies:** Transfer Specialist, Originating Faculty Member, Records

**Revised:** December 2012