Course Title: College Biology II
Submitted By: Giermann, K.
Semester Course Prefix and Number: BIOL 1552
Old Quarter Course Prefix and Number: Biol112 and 113
Number of Credits: 5
Number of Lecture Credits: 4
Number of Lab Credits: 1
Number of Lab Hours: 2
Number of Studio/Demonstration/Internship Credits: 2

Catalog Description:
This is the second course of a two-semester biology major sequence. This course covers the diversity of life including taxonomy, morphology, physiology and ecology. Organismal interactions and environmental influence are considered.

Prerequisites and/or recommended entry skills/knowledge:
Course Prerequisite(s): BIOL 1551 is recommended
Reading Prerequisite: College level reading
Composition Prerequisite: None
Mathematics Prerequisite: MATH 0090 or placement

Career Programs and Transfer Majors Accessing this Course:
Science Majors: Biology/Pre-Med, Veterinarian and Dental, etc.
Health Majors: Chiropractic/R.N./P.T./O.T.

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.

Communicate their experimental findings, analyses, and interpretations both orally and in writing.

Evaluate societal issues from a natural science perspective, ask questions about the evidence presented, and make informed judgments about science-related topics and policies.

Explain the basic structure and function of various natural ecosystems and of human adaptive strategies within those systems.

Evaluate critically environmental and natural resource issues in light of understandings about interrelationships, ecosystems, and institutions.

Articulate and defend the actions they would take on various environmental issues.

**Student Assessment Methods:**

Lecture and lab tests

Lab Reports and lab exercises

Quizzes and assignments

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

Textbook on-line content

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

May require the purchase of an access code from the textbook publisher and the purchase of a lab kit for home use.

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

Most schools accept this into a biology major as long as the entire sequence is taken.

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

**Approvals:**

<table>
<thead>
<tr>
<th>Body</th>
<th>Representative Signatures</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Faculty Association</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Academic Affairs Standards Committee</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chief Academic Officer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Distribution:** Original – Instructional Services

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

**Revised:** December 2012