Course Title: College Biology I
Semester Course Prefix and Number: Bio 1551
Old Quarter Course Prefix and Number: Bio111 and 112
Submitted By: Giermann
Approval Date: March 2016
Revision Date: March 2016

Number of Credits: 5
Number of Lecture Credits: 4
Number of Lab Credits: 1
Number of Lab Hours: 2
Class Size: Negotiated by AASC on: (date)

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)
X 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 is the first course of a two-semester biology major sequence. This course includes the study of cell structure, function and metabolism; cell division, inheritance, and genetics; and evolution and the diversity of life.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None
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
X 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/test hypotheses in lab and communicate findings orally and in writing
- Formulate hypotheses from factual information and develop several possible explanations

**Student Assessment Methods:**
Lecture and lab tests
Quizzes
Lab Exercises and Reports
Weekly 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:**

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<td>Faculty Association</td>
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<td>Academic Affairs Standards Committee</td>
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<td>Chief Academic Officer</td>
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**Distribution:** Original – Instructional Services

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

**Revised:** December 2012