

MESABI RANGE COLLEGE

Course Outline

Course Title: Introduction to Biology

Semester Course Prefix and Number: BIOL 1547

Old Quarter Course Prefix and Number:

Submitted By: Kim Giermann

Approval Date:

Revision Date:

Number of Credits: 4

Semester(s) Offered:

Class Size: 40 lecture/20 lab

Negotiated by AASC on:
(3/1/16)

Number of Lecture Credits: 3

Number of Lab Credits: 1 **Number of Lab Hours:** 2

Number of Studio/Demonstration/Internship Credits:

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:

Major topics include basic cell biology and metabolism, chemistry of life, inheritance and genetics, evolution, diversity, and ecology. This class is intended for health careers and those who need preparation to enter an advanced biology pathway. This course is not a major's level biology.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None

Reading Prerequisite: College level reading

Composition Prerequisite: None

Mathematics Prerequisite: C or better in MATH 0095 or placement

Career Programs and Transfer Majors Accessing this Course:

AS health science

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:

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

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

May require the purchase of a lab kit when offered on-line

Transfer Information: (Please list colleges/majors that accept this course in transfer.)
Transfers as a Gen Ed

Affiliated Mesabi Range College Courses and Programs:

AS in Health Science

Approvals:

Body	Representative Signatures	Date
Faculty Association		
Academic Affairs Standards Committee		
Chief Academic Officer		

Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: December 2012