MESABI RANGE COMMUNITY & TECHNICAL COLLEGE – VIRGINIA/EVELETH

Course Outline

Course Title: **Contemporary Issues in Biology** **Submitted By:** **K. Giermann**
Semester Course Prefix and Number: **BIOL 1536** **Approval Date:**
Old Quarter Course Prefix and Number: **BIOL 109** **Revision Date:** **Feb. 2002**

Number of Credits: **4** **Number of Lecture Credits:** **3**
Semester(s) Offered: **Number of Lab Credits:** **1** **Number of Lab Hours:** **2**
Negotiated Class Size: **Number of Studio/Demonstration/Internship Credits:**

Course Purpose Code:

_____ **0 –** Developmental Courses
_____ **1 –** Non-transferable, General Education
_____ **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 general education (MNTC) e.g. computer science, health, physical education
__X__ **5 –** Course which is intended to fulfill the Minnesota Transfer Curriculum (MNTC) requirements.
_____ **9 –** Continuing Education/Customized Training specialized credit course (not occurring in 0-5)

Catalog Description:

This course will focus on current issues in biology. Basic biology concepts and lab demonstrations will be applied to current topics.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s):	None
Reading Prerequisite:	College Level Reading
Composition Prerequisite:	None
Mathematics Prerequisite:	Placement by CPT score or a grade of C or better in MATH 0091 (or previous course MATH 090)

Career Programs and Transfer Majors Accessing this Course:

N/A

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. (Curriculum Committee review and the Chief Academic Officer's approval are required).

0. ____ None
1. ____ Communications
2. ____ Critical Thinking
3. __X__ 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. __X__ People and the Environment

Learning outcomes, including any relevant competencies listed in the Minnesota Transfer Curriculum:

The student will:

- Explain the basic structure and function of various natural ecosystems and of human adaptive strategies within those systems
- Propose and assess alternate solutions to environmental problems
- Demonstrate understanding of scientific theories
- Evaluate societal issues from a natural science perspective
- Formulate and test hypotheses

Student assessment methods:

- Exams
- Discussions
- Projects
- Article summaries

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

Outline of the major course content:

Content will change with current issues. Some examples may include overpopulation, pollution, disease, antibiotic resistance, water and food contamination, cardiovascular health, and genetic engineering.

Additional special information (special fees, directives on hazardous materials, etc.)

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

Approvals:

Body	Representative Signatures	Date
Curriculum Committee		
Faculty Association		
Meet and Confer		
Chief Academic Officer		

Distribution: Original – Administrative Office, Library, Learning Center, Records, Student Services, Curriculum Committee Chair