MESABI RANGE COMMUNITY & TECHNICAL COLLEGE – VIRGINIA/EVELETH

Course Outline

Course Title: **Environmental Science** **Submitted By:** **K. Giermann**
Semester Course Prefix and Number: **BIOL 1546** **Approval Date:**
Old Quarter Course Prefix and Number: **BIOL 106** **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:

Offering an introduction to ecology and natural systems, this course includes the study of human impact on ecosystems including pollution, energy and agriculture.

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:

MTC - Lab 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. (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:

- Understand scientific theories
- Formulate and test hypotheses
- Communicate experimental findings
- Explain structural functions of natural ecosystems
- Evaluate environmental issues
- Propose and assess alternative solutions to environmental problems

Student assessment methods:

- Tests
- Quizzes
- Projects
- Lab reports

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

Outline of the major course content:

A study of the ecology of natural systems, pollution, solid and liquid wastes, and energy.

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		

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