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
Negotiated Class Size: Number of Lab Hours: 2
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
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 6. The Humanities and Fine Arts
1. Communications 7. Human Diversity
2. Critical Thinking 8. Global Perspectives
3. X Natural Sciences 9. Ethical and Civic Responsibility
5. History and the Social and Behavioral Sciences
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:

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