

MESABI RANGE COLLEGE

Course Outline

Course Title: Plants and Society
Semester Course Prefix and Number: BIOL 1548
Old Quarter Course Prefix and Number:

Submitted By: Kim Giermann
Approval Date:
Revision Date:

Number of Credits: 4
Semester(s) Offered: Fall
Class Size: 24 lab/48 lecture
Negotiated by AASC on: (date)

Number of Lecture Credits: 3
Number of Lab Credits: 1
Number of Studio/Demonstration/Internship Credits: 2

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:

This course covers basic principles in botany and ecology placing a strong emphasis on the economic aspects and social implications of plants, algae, and fungi. This is not a biology major level course.

Prerequisites and/or recommended entry skills/knowledge:

Course Prerequisite(s): None
Reading Prerequisite: College level
Composition Prerequisite: None
Mathematics Prerequisite: MATH 0090 or placement

Career Programs and Transfer Majors Accessing this Course:

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.)

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| 0. <input type="checkbox"/> None | 6. <input type="checkbox"/> The Humanities and Fine Arts |
| 1. <input type="checkbox"/> Communications | 7. <input type="checkbox"/> Human Diversity |
| 2. <input type="checkbox"/> Critical Thinking | 8. <input type="checkbox"/> Global Perspectives |
| 3. <input checked="" type="checkbox"/> Natural Sciences | 9. <input type="checkbox"/> Ethical and Civic Responsibility |
| 4. <input type="checkbox"/> Mathematical/Logical Reasoning | 10. <input checked="" type="checkbox"/> People and the Environment |
| 5. <input type="checkbox"/> History and the Social and Behavioral Sciences | |

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:

Lecture and lab tests

Lab Reports and lab exercises

Quizzes and assignments

Projects

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

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

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

Transfers as a gen ed

Affiliated Mesabi Range College Courses and Programs:

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