**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:**  

<table>
<thead>
<tr>
<th>Number of Credits</th>
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<tbody>
<tr>
<td>Number of Lecture Credits</td>
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<tr>
<td>Number of Lab Credits</td>
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<td>Number of Lab Hours</td>
<td>2</td>
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<tr>
<td>Number of Studio/Demonstration/Internship Credits:</td>
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**Semester(s) Offered:** Fall  
**Class Size:** 24 lab/48 lecture  
**Negotiated by AASC on:** (date)  

**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)  
**X** 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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<thead>
<tr>
<th>0.</th>
<th>None</th>
<th>6.</th>
<th>The Humanities and Fine Arts</th>
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<tr>
<td>1.</td>
<td>Communications</td>
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<td>Human Diversity</td>
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<td>2.</td>
<td>Critical Thinking</td>
<td>8.</td>
<td>Global Perspectives</td>
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<td>3.</td>
<td><strong>X</strong> Natural Sciences</td>
<td>9.</td>
<td>Ethical and Civic Responsibility</td>
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<td>4.</td>
<td>Mathematical/Logical Reasoning</td>
<td>10.</td>
<td><strong>X</strong> People and the Environment</td>
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<td>5.</td>
<td>History and the Social and Behavioral Sciences</td>
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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:

<table>
<thead>
<tr>
<th>Body</th>
<th>Representative Signatures</th>
<th>Date</th>
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<tr>
<td>Faculty Association</td>
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<td>Academic Affairs Standards Committee</td>
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<td>Chief Academic Officer</td>
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Distribution: Original – Instructional Services
Copies: Transfer Specialist, Originating Faculty Member, Records
Revised: December 2012