Biology 124  Environment and Ecology
Three Credits
T TH 9:45-11am

INSTRUCTOR: Ringuette
OFFICE: Hale Uluwehi
OFFICE HOURS: As posted
TELEPHONE: 236-9265
EFFECTIVE DATE: Spring 2009

WINDWARD COMMUNITY COLLEGE MISSION STATEMENT

Windward Community College is committed to excellence in the liberal arts and career development; we support and challenge individuals to develop skills, fulfill their potential, enrich their lives, and become contributing, culturally aware members of our community.

CATALOG DESCRIPTION

A study of human ecology through the analysis of the interrelationships between science and technology, the means these provide for manipulation of environment and the effects of this manipulation on the environment and on human populations. Lecture course designed for non-science majors. (3 hrs. lect.)
WCC: DB

STUDENT LEARNING OUTCOMES

The student learning outcomes are:
• Explain the process and philosophical basis of scientific inquiry.
• Describe the basic principles of ecology, including population ecology, community ecology, and ecosystem function.
• Describe the characteristics of the major biomes and ecosystems of the Earth.
• Describe the interrelationships between land, sea, the atmosphere and the living things that occupy these environments.
• Discuss the role that humans play in affecting the characteristics of the environment.
• Evaluate current environmental issues and problems including the solutions and management practices that have been
Concepts or Topics

- Scientific Method
- Biology
- Ecology
- Evolution
- Environmental Systems

Skills or Competencies

1. Understand the interrelationships between physical and biological systems.
2. Analyze a biological environmental issue from various points of view.
3. Understand the process of science

COURSE TASKS

Attend and participate in class. Any work missed is the responsibility of the student including class announcements.

Take all exams and quizzes. Any exam missed will receive a zero unless the instructor is notified prior to the exam and a substantiated reason is given.

Prepare and deliver orally a research project. Details of which will be given at a later date

Write two one-page reaction papers

ASSESSMENT TASKS AND GRADING

<table>
<thead>
<tr>
<th>Task</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Two Exams</td>
<td>400</td>
</tr>
<tr>
<td>Five quizzes</td>
<td>200</td>
</tr>
<tr>
<td>Reaction Papers(2)</td>
<td>40</td>
</tr>
<tr>
<td>Written Project</td>
<td>200</td>
</tr>
<tr>
<td>Oral Project</td>
<td>100</td>
</tr>
<tr>
<td>Participation</td>
<td>60</td>
</tr>
<tr>
<td>Total Points</td>
<td>1000</td>
</tr>
</tbody>
</table>

Grading:

A=1000-900
B=800-899
C=700-799
D=600-699
F 599 and below

LEARNING RESOURCES

- Essential Environment by Withgott and Brennan
- Additional Information
- Appended

DISABILITIES ACCOMMODATION STATEMENT

If you have a physical, sensory, health, cognitive, or mental health disability that could limit your ability to fully participate in this class, you are encouraged to contact the Disability Specialist Counselor to discuss reasonable accommodations that will help you succeed in this class. Ann Lemke can be reached at 235-7448, lemke@hawaii.edu, or you may stop by Hale ‘Akoakoa 213 for more information.

Revised May 10, 2007