Number: ECOL G100  
TITLE: Human Ecology

ORIGINATOR: Instructor Placeholder AAA  
EFF TERM: Fall 2011

FORMERLY KNOWN AS:  
DATE OF OUTLINE/REVIEW: 11-15-2006

CROSS LISTED COURSE:  
TOP NO: 0302.00

SEMESTER UNITS: 3.0
HRS LEC: 54.0  
HRS LAB: 0.0  
HRS OTHER: 0.0
CONTACT HRS TOTAL: 54.0
STUDY NON-CONTACT HRS RECOMMENDED: 108.0

CATALOG DESCRIPTION:
An investigation of the current problems of man's relationship with the environment and possible solutions to these problems.

JUSTIFICATION FOR COURSE:

PREREQUISITES:

COREQUISITES:

ADVISORIES:

ASSIGNED DISCIPLINES:
- Biological sciences
- Ecology

MATERIAL FEE: Yes [ ] No [X] Amount: $0.00

CREDIT STATUS: Noncredit [ ] Credit - Degree Applicable [X]  
Credit - Not Degree Applicable [ ]

GRADING POLICY: Pass/No Pass [X]  
Standard Letter [X]  
Not Graded [ ]  
Satisfactory Progress [ ]

OPEN ENTRY/OPEN EXIT: Yes [ ] No [X]

TRANSFER STATUS: CSU Transferable[ ]  
UC/CSU Transferable[X]  
Not Transferable[ ]

BASIC SKILLS STATUS: Yes [ ] No [X]

CALIFORNIA CLASSIFICATION CODES: Y - Not Applicable

NON CREDIT COURSE CATEGORY: Y - Not applicable, Credit Course

OCCUPATIONAL (SAM) CODE: E

REPEATABLE ACCORDING TO STATE GUIDELINES: No [X]  
Yes [ ] NUMBER REPEATS: [ ]

REQUIRED FOR DEGREE OR CERTIFICATE: No [ ] Yes [X]

ASSOCIATE IN ARTS: Liberal Arts: Emphasis in Social Behavior and Self-Development(Associate in Arts)
Energy Efficiency and Renewable Energy Degree(Associate in Arts)

GE AND TRANSFER REQUIREMENTS MET:
CSU GE Area E: Lifelong Understanding and Self-Development
   E1 - Lifelong Understanding and Self-Development

COURSE LEVEL STUDENT LEARNING OUTCOME(S) Supported by this course:
1. identify the major ecological problems facing the human species at this point in time.

2. demonstrate that they recognize the need to change perspectives and alter personal and societal attitudes if solutions are to be found.

3. describe or explain their familiarity with local, regional and national ecological issues, and the impact of these issues on the environment.

4. describe and evaluate the growth and distribution of the human population.

5. evaluate the impact of the human population on air, water, food and energy resources of earth.

6. formulate solutions or approaches to solutions to the major ecological problems facing the human species at this time.

COURSE OBJECTIVES:
1. identify the major ecological problems facing the human species at this point in time.
2. formulate solutions or approaches to solutions to the major ecological problems facing the human species at this time.
3. demonstrate that they recognize the need to change perspectives and alter personal and societal attitudes if solutions are to be found.
4. describe or explain their familiarity with local, regional and national ecological issues, and the impact of these issues on the environment.
5. describe and evaluate the growth and distribution of the human population.
6. evaluate the impact of the human population on air, water, food and energy resources of earth.

COURSE CONTENT:
LECTURE CONTENT:
   A. Humans and Sustainability
   B. Scientific Principles and Concepts
   C. Human Population Growth
   D. Human Population Distribution
   E. Sustaining Terrestrial and Aquatic Ecosystems
   F. The Energy Crisis
   G. Air, Quality, water resources
   H. Political Activities on the national, state, and local levels
   I. Food resources and soil erosion
   J. Relationship of humans to the biosphere

METHODS OF INSTRUCTION:
A. Lecture:
B. Video One Way – Audio Two Way:
C. Independent Study:

INSTRUCTIONAL TECHNIQUES:

COURSE ASSIGNMENTS:
Reading Assignments
The required text in this course is the only reading. Each student has a course outline with the appropriate pages for each unit of the course.

Out-of-class Assignments
Students are encouraged to join, and become active in, local citizen groups and historically this class has been a source of new members by these organizations. Such membership and participation is not, however, a course requirement. Students also may, for extra credit, view 8 of the Ecology 100
videotapes on reserve in the college Media Center. Each is 55 minutes in length.

**Writing Assignments**

There are 4 exams each semester, each consisting of 50 multiple choice questions and 5 short essay questions. The final examination is of a similar composition.

**METHODS OF STUDENT EVALUATION:**

- Final Exam
- Written Assignments
- Essay Examinations
- Objective Examinations

**Demonstration of Critical Thinking:**

This is a course in which problem solving has an important role. Problems of expanding population, diminishing resources, environmental alteration, and changing perspectives are presented for analysis and evaluation. During discussion sessions students are encouraged to grope for solutions and deduce valid conclusions.

**Required Writing, Problem Solving, Skills Demonstration:**

There are 4 exams each semester, each consisting of 50 multiple choice questions and 5 short essay questions. The final examination is of a similar composition.

**TEXTS, READINGS, AND RESOURCES:**

**TextBooks:**


**LIBRARY:**

- Adequate library resources include: Non-Print Materials

**Comments:**

**Attachments:**

[Attached Files]