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| Fall 2018  Instructor: Jerry Delsol | | |
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| Course Syllabus | | |
| 1 | Course Description  Course Objectives | |
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| 2 | Audience, Facilities Reading Assignments  Grading, Term Project | |
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| Required Textbook |  | |
| Nebel & Wright, Environmental Science: 5th-7th edition.  www.prenhall.com/nebel  Email:  delsolj@mac.com | |  |
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| Woodland High School  Agriculture Department  21 N. West  Woodland, Ca. 95695 | | |

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# ENVIRONMENTAL SCIENCE ROP

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ENVIRONMENTAL CONSERVATION

COURSE DESCRIPTION

Study of rational management of the World’s environment to sustain the highest quality of life. Includes study of ecology, populations, environmental pollution, energy, water, soils, forests, rangelands, minerals, wildlife, parks and wilderness areas.

**Credits:** 10

**Location:** Ag 504

**Meeting Time:** M-F

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**Final Exam:** TBA

**Office Hours:** By Appointment

Use voice mail at 867-0706 if you miss class, to qualify for make-up. (Mandatory)

**Telephone:** 662.4678 x252

**Other:** Last day to withdraw class

is by the third week of class.

COURSE OBJECTIVES

Students will be able to:

1. Evaluate the environmental conditions of man in relationship to his total environment.

2. Analyze the historical development of the rational use of natural resources for a higher quality life for mankind; adjusting changes.

3. Interpret information about the environment.

4. List soil conservation methods.

5. Evaluate the energy flow cycle.

6. Analyze the hydrologic cycle

7. Analyze air and water pollution topics.

8. Evaluate land-use policies.

9. Evaluate rangeland ecology topics.

10. Analyze the World and California ecosystems.

Statement of student Audience

Students enrolled in this class are not required to have prior experience or knowledge in Environmental Conservation. It is an introductory course intended for three groups: students in degree programs, students seeking additional career advancement and students with personal interest in the world's environment.

Instructional Facilities

*Yolo Basin Foundation*

*SLEWS Farm Center*

*Cache Creek Nature Preserve*

*National Wildlife Refuges*

*WHS Agriculture Farm Lab*:.

*Computer labs*: Agriculture and Library

Reading Assignments

Please read assignments prior to class.

**Week 1** Chapter 1 & 2 **Week. 2** Chapter 3 **Week 3** Chapters 4 & 5 Turn in typed Project Plan  **Week 4** *Mid-Term (Ch. 1-5)* **Week 4** 6&7 *(Quiz on 6&7)* **Week 5** Chapter 8 **Week 6**  Chapters 9 & 18 **Week 7** Chapter10 & 24 **Week 8** Chapter 11 **Week 9** Chapter 12  **Week 10** *Mid-Term(Ch 8-12)* **Week 10** Chapters 13 & 14 **Week 11** Chapter 15 **Week 12** *Mid-Term (Ch 13-15)* **Week 12** Chapter16&17 **Week 13** Chapter 19 & 20   
**Week 14** Chapter 21 **Week 15**  Chapters 21 & 22 **Week 16-17** Chapter 24 & Review **Week 18** *Mid-Term (16-24)*

Term Project

Ten Percent of your grade will be earned by your participation in six hours minimum of an approved environmental conservation activity. A brief, (half page or less), typed statement of your project will be due in the third week of the semester. These projects will be presented to small groups during finals week (in other words this project is your final) Examples of projects are:

♦Volunteer work at refuge, park or school

♦Camp counselor

♦Environmentally linked community service

♦Recycling project

♦Restoration project

♦Environmental research

♦Attendance of workshop or seminar

*Grading Scale*

A 90-100 D 60-69

B 80-89 F 59 and Below

C 70-79

Grading

Student grades for the level of success demonstrated during the following activities will determine the lecture portion of this class:

Classwork, Assignments and Quizzes and Activities 50%

Attendance 25%

Term Project 25% (Approved Environmental conservation activity)

*Make-up tests will be given for excused absences. Late work will not be accepted without prior approval of the instructor.*