CLASS HOURS: MTWRF 11:00-11:50 a.m. in Shaw Smyser 115

INSTRUCTORS:
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Office hours: TW 3-5, F 1-3 or by arrangement

REQUIRED TEXTS:
1. Principles of Environmental Science: Inquiry and Applications
   by W.P. Cunningham and M.A. Cunningham (McGraw-Hill, 2002).
2. Sources: Notable Selections in Environmental Studies, Second Edition

COURSE DESCRIPTION:
This is the second course in the Environmental Studies 300 series. In this course, we will examine the effects of humans on the Earth’s environment. We will discuss the physical and cultural dimensions of environmental problems such as water and air pollution, energy consumption, and waste disposal. Particular emphasis will be given to the interaction between basic resources, population dynamics, and cultural innovations, especially technological innovations.

COURSE GOALS:
1. Students will understand some of the ways that an increase in world population has altered the worldwide ecosystem. They can describe the effects of population increase on food production, environmental quality, and natural resource supply.
2. Students are aware of the different sides and arguments for various controversial environmental issues (e.g. use of fertilizers, waste management and storage, population control, etc.).
3. Students can critically discuss the roles of technological innovations in relationship to population dynamics and resource consumption.
Required Elements:

**Quizzes** – Six quizzes (worth 10 points each) will be given on Fridays throughout the quarter. Each student will be allowed to drop one quiz grade.

**Exams** – Two midterm exams will be given throughout the quarter. These exams will contain multiple-choice and short-answer questions and will cover all of the assigned reading and classroom lectures and activities for the period that the exam covers (given below in schedule). In addition, there will be a comprehensive final exam at the end of the quarter. The final exam will be twice as long as the midterm exams. Half of the questions on the final will relate to material covered since the second midterm exam (Feb. 20 – Mar. 8); the second half of the questions will relate to material covered over the entire quarter (Jan. 3 – Mar. 8).

**Exercises** – Approximately ten exercises will be given throughout the term, either during class time or as take-home work. Each student will be allowed to drop one exercise grade.

**Note:** There will be no make-up opportunities for any quiz, exam, or exercise. In addition, no work will be accepted after the due date.

**Academic Honesty** – Students are expected to be academically honest. Academic dishonesty is defined in the Proscribed Conduct section of the Student Judicial Code in the back of your academic catalog. Plagiarism is defined in this section as "the appropriation of any other person's work and the unacknowledged incorporation of that work in one's own work offered for credit" (CWU Undergraduate/Graduate Catalog, 2000-2001, p. 244). Plagiarism may range from an entire paper to a phrase within a sentence. When you are paraphrasing an idea that is not your own and is not common knowledge, you need to cite the source. Copying the work of other students on tests, exercises, or extra credit is also considered academically dishonest. Academic dishonesty in any form will result in a failing grade. If one student copies the work of another student, then both students will receive a failing grade.

**Grading:**

*Exams are worth 100 points each. We will double the score of your best exam – Total exam points = 400 points*

- **Quizzes** = 10 points each
- **Exercises** = 10 points each

Final grades are based on % of total available points earned. A = 90-100%; B = 80-89%; C = 68-79%; D = 50-67%; and F = less than 50%. Provided that you do all the work, study, and gain an acceptable understanding of the material you will earn a C. To earn a B, you will have to work harder and truly distinguish yourself, and an A will be awarded for excellent performances.

**SYLLABUS**

Week 1 – January 3, 4
Topics: Course overview (Gabriel, Gazis, and Pinkart), Human Population (Gabriel)
Reading: C&C Chapter 4
Week 2 – January 7, 8, 9, 10, 11 (Quiz 1)
Topics: Human Populations (Gabriel, Gazis)
Reading: C&C Chapter 4, Sources Chapter 11 and 2.3

Week 3 – January 14, 15, 16, 17, 18 (Quiz 2)
Topics: Environmental Health and Toxicology (Pinkart)
Reading: C&C Chapter 8, Sources Chapter 13.1 and 14

Monday January 21 – Martin Luther King holiday

Week 4 – January 22, 23, 24
Topics: Acid Rain (Gazis)
Reading: C&C Chapter 9 pp. 204-214

Exam 1 – Friday January 25 (covering material covered from Jan. 3 to Jan. 23)

Week 5 – January 28, 29, 30, 31, February 1 (Quiz 3)
Topics: Water Pollution and Quality (Gazis)
Reading: C&C Chapter 10 pp. 231-248, Sources Chapter 8.3

Week 6 – February 4, 5, 6, 7, 8 (Quiz 4)
Topics: Environmental Conservation (Gabriel)
Reading: C&C Chapter 6, Sources Chapter 1 and 7

Week 7 – February 11, 12, 13, 14, 15
Topics: Solid and Hazardous Waste (Pinkart)
Reading: C&C Chapter 13, Sources Chapter 8.2

Monday February 18 – Presidents Day

Exam 2 – Tuesday February 19 (covering material from Jan. 24 to Feb. 15)

Week 8 – February 20, 21, 22
Topics: Solid and Hazardous Waste (Pinkart), Energy Use (Gazis)
Reading: C&C Chapter 12

Week 9 – February 25, 26, 27, 28, March 1 (Quiz 5)
Topics: Energy Use (Gazis)
Reading: C&C Chapter 12, Sources Chapter 6

Week 10 – March 4, 5, 6, 7, 8 (Quiz 6)
Topics: Sustainability and Human Development (Gabriel), Wrap up (Gabriel, Gazis, Pinkart)
Reading: C&C Chapter 14, Sources Chapter 2.5 and 16.1

Final Exam – Tuesday March 12, 12:00-2:00 p.m.