

GRANDE PRAIRIE REGIONAL COLLEGE
DEPARTMENT OF SCIENCE

F-91

COURSE: ZO 360 - Man and Biosphere

INSTRUCTOR: Glen Chilton Office J223 Phone 539-2860

TRANSFERABILITY: U of A ZOOL 260 Man and Biosphere
U of L BIOL 2050 Biology and Human Affairs
U of C Sr BIOL

NOTES: The U of A does not grant credit for both ZO 360 and their BIOL 110 (Biology and the Modern World).

The U of C does not grant credit for ZO 360 to its Biological Sciences majors.

NATURE OF THE COURSE:

Zoology 360 is a consideration of man's place in the biosphere and the biological bases of environmental problems including population, pollution, and consideration of renewable and aesthetic resources.

The course is taught in a lecture/discussion group style, treating topics of concern in regional, national and global context. Major topics, dealt with in two lecture sessions, are drawn from chapters in the recommended textbook. Minor topics, dealt with in a single lecture session, are drawn from a variety of sources.

REQUIREMENTS:

- A. Students are expected to prepare for and attend all lectures, to sit tests, and submit assignments as specified.
- B. There will be two written assignments. The first is due 11 October, while the second is due 18 November.
- C. There will be two quizzes; the first on Monday 30 September, and the second on Monday 18 November. The second quiz will consider material presented after 21 October.
- D. There will be a midterm lecture test on Friday 25 October. It will consider all material presented through Monday 21 October.
- E. There will be a final examination, scheduled by the Registrar. While this examination will be comprehensive, it will emphasize material presented after 21 October.

TEXTBOOK: State of the World 1991: A Worldwatch Institute report on progress toward a sustainable society.

EVALUATION:

A. Assignments (2 @ 10 %)	20 %
B. Quizzes (2 @ 10 %)	20 %
C. Mid-term lecture test	20 %
D. Final lecture examination	40 %
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	100 %

LECTURE TOPICS

Major Topics:

1. The New World Order
2. Designing a Sustainable Energy System
3. Reducing Waste, Saving Materials
4. Rethinking Urban Transport
5. Reforming Forestry
6. Restoring the East European and Soviet Environments
7. Coming to Grips with Abortion
8. Assessing the Military's War on the Environment
9. Asking How Much is Enough
10. Reshaping the Global Economy

Minor Topics:

1. Ecology and Conservation
2. Global Warming
3. Land Degradation
4. Ozone Layer Depletion
5. Reforestation
6. Extinction and Biodiversity
7. Urbanization
8. Recycling's Potential
9. Oil Dependency
10. Population Growth
11. Global Famine
12. Acid Rain
13. Aquaculture
14. Nuclear Waste Disposal and Decommissioning
15. Renewable Energy
16. The Role of Zoos and National Parks
17. Environmental Catastrophes
18. Conservation and the Media
19. Environment and Health
20. Artic/Antarctic
21. AIDS and Global Development