

Title: ABIO 270, Man and the Environment

Instructor: Dr. Lynn D. Wike

Office Hours - By appointment, before and after class

Telephone - 642-1247 (home) 725-5210 (work), 292-1748 (cell)

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Credit: 4 semester hours

Class: Tuesday & Thursday 6 - 8:40 PM

Course Objectives:

- Provide an understanding of environmental issues at all levels
- Provide an understanding of how man is a part of the environment and subject to the laws of nature
- Begin to understand the relationships between organisms and their environment.
- Learn how to study and learn basic concepts
- Introduce the student to report and technical writing.
- Learn how to think critically

Textbook: Raven, P. H., L. R. Berg. 2004. Environment. Harcourt Brace and Company.

Method of Presentation: This course will consist of lectures by the professor, classroom discussions, topic and term papers, and laboratory exercises.

Method of Evaluation: Achievement of course objectives will be evaluated by exams, quizzes, and lab exercises.

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| Exams(including final) | 50% |
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| Quizzes | 10% |
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| Lab component (tests, books, papers) | 40% |
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All lab assignments are **due two weeks** after they are performed, semester project is to be attended weekly and is due at the end of the semester.

Attendance: Students should refer to the USCA Student Handbook or the USCA Bulletin regarding the number of absences permitted. **There will be no make-up exams.** Should you have to miss an exam for a documented excusable reason. Except in extreme circumstances only one exam will be treated in this manner; any other missed exams will be counted as a zero.

Disability: If you have a learning or physical disability which might affect your performance in this class, please inform the instructor as soon as possible and the Coordinator of Disabled Student Services, in order to verify your status and provide you with appropriate assistance.

CLASS SCHEDULE

| <u>DATES</u> | <u>LECTURE</u> | | <u>LABORATORY</u> |
|--------------|--|-----------------------------|---|
| 1/11, 13 | Intro, Critical Thinking, Lorax, Chapter 1 | | Scientific method/ intro lab |
| 1/18, 20 | Chapter 2, 3, Tragedy of the Commons | | Set up landfills |
| 1/25, 27 | Chapter 4, 5 | | Owl pellets/food chain |
| 2/1, 3 | Chapter 5, 6 | | |
| 2/8,10 | Chapter 6, 7 | TEST (chpt 1-6) | Topic 1 |
| 2/15, 17 | Chapter 8, 9 | | Population estimation |
| 2/22, 24 | Chapter 10, 11 | | |
| 3/1, 3 | Chapter 12, 16 | TEST (chpt 7-12) | Diversity lab |
| 3/7, 11 | BREAK | BREAK | BREAK |
| 3/14, 16 | Chapter 13, 14 | | water lab LAB MIDTERM/ book check. |
| 3/21, 23 | Chapter 15, 17 | | Soil lab |
| 3/29, 31 | Chapter 18, 19 | TEST (chpt 13-18) | Topic 2 |
| 4/5, 7 | Chapter 20, 21 | | Pesticide treadmill |
| 4/12, 14 | Chapter 22, 23 | | LAB FINAL , book check |
| 4/19, 21 | Chapter 24, review | TEST (chpt 19-24) | All Due |
| 4/28 | | Final Exam, 8 (6) PM | |