

...of the course will be to provide students with a solid foundation in the principles of environmental toxicology and to equip them with the skills necessary to analyze and evaluate environmental risks.

...textbook: Fundamentals of Environmental Toxicology and Chemistry, 7th Edition, by James M. Eisenreich, et al.

...The course will cover the following topics: 1. Introduction to Environmental Toxicology 2. Environmental Chemistry 3. Environmental Health Effects 4. Environmental Risk Assessment 5. Environmental Policy and Regulation

...Increase understanding of biochemistry with respect to environmental contaminants and their effects on the structure and function of cellular molecules and systems.

**Course Goals:**

...Develop an appreciation of the role of toxicology in environmental health and safety.

...The primary methods employed in this course will consist of lectures and "chalk-talk" by the instructor, presentations by students, and laboratory exercises.

**Grading:**

Exams: There will be four term exams (50 points each) one for each major term.

Four examinations that will focus on the three main areas of

Orals

115 071

## NOTES ON SYLLABUS AND UNIVERSITY POLICIES

1. UAF is an AA/EO employer and educational institution and prohibits illegal discrimination against any

course follows the UAF policy Incomplete Grade Policy.

letter "I" is a temporary grade used to indicate that the student has satisfactorily completed / C or

2. This co

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UAF's Incomplete Grade Policy

4. Speaking Center is available (907-474-5470)

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# COURSE OUTLINE

LECTURE      CHAPTER      TOPIC

1      1      SYLLABUS

## HISTORY OF ECOTOXICOLOGY

### TRANSFORMATION PRINCIPLES

- 8      §      BIOTRANSFORMATION
- 10      §      ELIMINATION
- 11      §      ACCUMULATION

### EXAM 1

CHAPTERS 1, 2, 3, 4, 5

18

E

### MOLECULAR EFFECTS

20

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**UAF POLICIES.**

**HONOR CODE**

**COVID-19 POLICY:** Students should face...

**ADDITIONAL POLICY: UAF EMBRACES A CULTURE OF RESPECT, DIVERSITY, INCLUSION.**

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