

NEW COURSE PROPOSAL

PROGRAM AREA ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT

1. Catalog Description of the Course.

ESRM 481. Topics in Environmental Pollution (3)

Three hours of seminar per week.

Prerequisites: BIOL 330 and 432, CHEM 250 and 251

Topics may include: analysis of pollution transformation and transport; impacts on human and natural systems; and examples from tropospheric air pollution, water pollution, soil pollution, climate change. Repeatable by topic.

2. Mode of Instruction.

	Units	Hours per Unit	Benchmark Enrollment
Lecture	_____	_____	_____
Seminar	___3___	___1___	___10___
Laboratory	_____	_____	_____
Activity	_____	_____	_____

3. Justification and Learning Objectives for the Course.

This is an elective course for the Environmental Science and Resource Management major and proposed minor. It is a variable topics course that will provide students an intensive analysis of issues in environmental pollution.

Upon successful completion of this course students will be able to:

- Identify and describe specific issues and problems associated with environmental pollution;
- Apply appropriate analytical tools to find potential solutions to these issues and problems;
- Present the issues, problems and potential solutions as appropriate to different audiences including the general public, policy makers, academicians and the like.

4. Is this a General Education Course NO

5. Course Content in Outline Form.

This is a variable topics course. Content will depend on topic and instructor. Examples of topics include: tropospheric air pollution, water pollution, soil pollution and climate change.

6. References.

Text(s) to depend on topics and instructor.

7. List Faculty Qualified to Teach This Course.

Professor Mark Zacharias

Environmental Science and Resource Management faculty

8. Frequency.

a. Projected semesters to be offered: Fall ____ Spring X Summer ____

9. New Resources Required.

None