

GEOL 446 Environmental Geology

Instructor: William E. Sanford

Course Description:

- Environmental Geology is intended as a capstone-like course for Environmental Geology majors. Environmental geology is an all encompassing term for the application of geological principles to environmental problems. The class will integrate the geologic, physical, and chemical knowledge of the student and illustrate how to apply this knowledge to real-world problems that greatly affect society.

Learning Outcomes:

- Integrate various geologic concepts learned in other courses in an applied sense.
- Interpret pre-existing geologic information to solve environmental problems.
- Ability to design site investigations and to critique those plans already developed.
- Develop an understanding of the geology of resource management, of the built environment and of the geology of natural hazards.
- Develop an appreciation of the use of environmental geology to protect society from natural and man-made hazards.