Course Specifications

General Information

Course name	Environmental Geology
Course number	GEOL4225
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	2
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Developing an understanding of geologic processes and how they are often at odds with human activities

2 - Understanding the need to consider geologic processes in land-use planning decisions

Intended Learning Outcomes

Knowledge and Understanding

* Ability to describe Earth, its structure, and many physical characteristics that make it a fascinating, but sometime dangerous, place to live (Earth Processes
* Ability to recognize and describe the interactions between geologic processes, ecological processes, and society, which involves knowledge of earth materials and processes; resource availability, usage, and pollution; natural hazards and hazard mitigation; and environmental management (Earth as a set of interconnected systems
* Ability to assess the many environmental problems that face us as our planets population grows and energy needs increase, evaluate solutions to these problems, and make informed decisions (The effect of natural processes and human activity on the environment, Global climate

Course Contents

1 - Foundamentals of environmental geology

2 - Earth Processes and natural hazards (Earthquakes and related phenomena – Volcanic activity – Rivers and flooding – Landslides – Coastal processes

3 - Resources and pollution

4 - Environmental management, Global prospective and society

Teaching and Learning Methods

1 - LCD

Students Assessment

Assessment Method	TIME	MARKS
Two Midterm exams	First month and second month of the semester	45
Attendance	During the semester	5
Final exam	End of the semester	50

Books and References

Course note	Introduction to Environmental Geology: Lecture Notes
Recommended books	Environmental Geology (1998), Dorothy Merritts, Andrew De Wet, Kirsten Menking