

Planning and Quality Assurance Affairs

Form (A)

Course Specifications

General Information

Course name Environmental Geology

Course number GEOL4225

Faculty

Department

Course type Major Needs

Course level

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	that	ty to describe Earth, its structure, and many physical characteristics make it a fascinating, but sometime dangerous, place to live (Earth cesses
	proc eart natu	ty to recognize and describe the interactions between geologic esses, ecological processes, and society, which involves knowledge of n materials and processes; resource availability, usage, and pollution; ral hazards and hazard mitigation; and environmental management th as a set of interconnected systems
	plan thes	ty to assess the many environmental problems that face us as our ets population grows and energy needs increase, evaluate solutions to e problems, and make informed decisions (The effect of natural esses 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	<u>TIME</u>	<u>MARKS</u>
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