Course Specifications

General Information

Course name	Geochemistry
Course number	GEOL3316
Faculty	
Department	
Course type	Major Needs
Course level	3
Credit hours (theoretical)	2
Credit hours (practical)	1
Course Prerequisites	

Course Objectives

1 - Knowledge of the different rock geochemistry, chemical elements on the rocks and its constituents, basic and scarce chemical elements, curves chemistry rocks, tectonic position of the rocks using the main component of the rocks of the chemical elements, names of rocks on the basis of its chemical composition

Intended Learning Outcomes

Knowledge and Understanding

* Students ability to distinguish from the chemical component, rocks, distinguish the types of rocks and minerals, and put them tectonic, the students ability to know the chemical composition of all types of minerals, rocks and geochemical dealing with curves and special function names and put them in three nature of the rock. Definition of Geochemistry – Chemical composition of the Earth – Distribution of elements in the crust – Geochemical classification of elements – Geochemistry of igneous, sedimentary and metamorphic rocks – Geochemical cycle.

Course Contents

1 - Definition of Geochemistry – Chemical composition of the Earth – Distribution of elements in the crust – Geochemical classification of elements – Geochemistry of igneous, sedimentary and metamorphic rocks – Geochemical cycle. Practical part Rock analysis – Representative of chemical results of the rocks

Teaching and Learning Methods

1 - Lectures, discussions, work reports, writing special reports and chemical components of the rocks, especially the chemical component and chemical analysis of rocks and how they documented on the curve, the use of computers and special programs Bjiokemiae rocks and minerals and their analyzes curves

Students Assessment

Assessment Method	TIME	MARKS
HALF first exam.	Seventh week	10
Have second exam.	Ten atheist week	10
Activity reports and lectures	Fourteenth week	10
Practical final exam	Fourteenth week	20
final exam	Seventh week	50

Books and References

Essential books	Geochemistry of rocks
	Introduction science geochemistry