Course Specifications

General Information

Course name	Micropaleontology
Course number	GEOL4320
Faculty	
Department	
Course type	Major Needs
Course level	4
Credit hours (theoretical)	3
Credit hours (practical)	0
Course Prerequisites	

Course Objectives

1 - Aims to learn the minute fossils and their properties and races and the distinction between them and other species and natural properties and dealing with the private so the microscope and identify the minute fossils and distinguishes them from large excavations and conclusion ancient environments and to identify geological time, an evolutionary study of some genera and species Foraminiferal planktonic and benthic.

Intended Learning Outcomes

Knowledge and Understanding	* Students ability to minutes fossil benthic and planktonic and the ability of the student to find out the fossil and distinguish them under a microscope and see the natural properties through specifications and morphological characteristics and the conclusion ancient environments and geological time.

Course Contents

1 - Introduction to marine micropaleontology, major marine microfossil groups, biostratigraphy and biochronology, Ecology and paleoecology. Order foraminifera, interpretation of biostratigraphy paleoecolgy, and evolution of foraminifera. Reconnaissance techniques, identification and classification of foraminifera, other planctonic and benthonic index fossils: Radiolaria, Diatoms, Calcareous nannofossils, Ostracoda, Bryozoa, Spores and Pollens, Conodonts. Practical part Identification, Systematic description and application of foraminifera in biostratigraphy, paleoecology and paaleogeography.

Teaching and Learning Methods

1 - Lectures regularly to know the exact fossils, found on so special scientific literature, and discuss the student with all the explanation and the work reports about the minute fossils, dealing with explanatory slides in the lecture, and the work of detailed reports of each type of fossils, found on so interested scientific sites

Students Assessment

Assessment Method	TIME	MARKS
The separation of the first half	Seventh week	10
The separation of the second half	Ten atheist week	10
Activity reports and lectures	Fourteenth week	10
Practical final exam	Fourteenth week	20
final exam	sextheen week	50

Books and References

Course note	Aware of minute fossils
	invertebrate paleontology
Essential books	paleontology