

Course Description Form

1. Course Name:					
Geotectonic					
2. Course Code:					
GS 3405					
3. Semester / Year:					
First/ 2024-2025					
4. Description Preparation Date:					
14/ 10/ 2024					
5. Available Attendance Forms:					
Attendance					
6. Number of Credit Hours (Total) / Number of Units (Total)					
30 hours/ 2					
7. Course administrator's name (mention all, if more than one name)					
Name: Abdulkhaleq Abdulmalek Abduljabbar Email: abdul.6363@uoanbar.edu.iq					
8. Course Objectives					
Course Objectives	<ul style="list-style-type: none"> • Introducing the student to the most important features of regional geology, such as mountain ranges, sedimentary basins, and others. • The factors that affected these different types of regional geological features and how they emerged. • Types and directions of forces that created these regional geological features 				
9. Teaching and Learning Strategies					
Strategy	Analysis of the ground movements and the forces or stresses that created the regional geological features, the possibility of predicting the locations of future ground movements and determining the locations of important mineral arrangement accompanying some of the features.				
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1.	2	Learn about what is earth's interior.	Earth's interior divisions	Lecture and use of illustrative figures	Quiz and oral questions

2.	2	Understanding the hypothesis and its tectonic history	Continental drift hypothesis	Lecture and use of illustrative figures	Quiz and oral questions
3.	2	How to acquire and retain some magnetic rocks	Paleomagnetism	Lecture and use of illustrative figures	Quiz and oral questions
4.	2	How to open the seas and oceans	Sea floor spreading	Lecture and use of illustrative figures	Quiz and oral questions
5.	2	Recognize the difference between the two types.	oceanic and continental crusts	Lecture and use of illustrative figures	Quiz and oral questions
6.	2	The student's knowledge of the existence of a discrepancy in the magnetism of the ocean floor.	Marine magnetic anomaly	Lecture and use of illustrative figures	Quiz and oral questions
7.	2	Student test.	First examination	Written exam	Written exam
8.	2	Understanding the theory facilitates tectonic interpretation.	plate tectonic theory	Lecture and use of illustrative figures	Quiz and oral questions
9.	2	How tectonic plates diverge and the most important geological features accompanying them.	Divergent plate boundaries	Lecture and use of illustrative figures	Quiz and oral questions
10.	2	How tectonic plates converge and the most important geological features accompanying them.	Convergent plate boundaries	Lecture and use of illustrative figures	Quiz and oral questions
11.	2	How plates move sideways and the most important geological features accompanying them.	Transform plate boundaries	Lecture and use of illustrative figures	Quiz and oral questions
12.	2	Student test.	Second examination	Written exam	Written exam
13.	2	Knowing when the lithosphere separates and when it collides.	Continental rift and collision	Lecture and use of illustrative figures	Quiz and oral questions
14.	2	Know the force that moves plates.	What drive plate motion?	Lecture and use of illustrative figures	Quiz and oral questions
15.	2	Connect what the student has learned with the tectonic setting of Iraq	Tectonic map of Iraq	Lecture and use of illustrative figures	Quiz and oral questions

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

Monthly exams: 50%

Final exam: 50%

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Essentials of geology (Stephen, 2004)
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Follow up on electronic references and the Internet Discreet websites Virtual library Library locations in some international universities