

Republic of Iraq

**The Ministry Of Higher
Education**

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Soil Science and
Water Resources

Stage: First

Lecturer name: Osama Ghazi
Ismaeel

Qualification: Doctor

Place of work: College of
Agriculture

Flow up of implementation celli pass play

Course Instructor	Osama Ghazi Ismaeel				
E-mail	osamaghaze@uodiyala.edu.iq				
Title	Principles of Geology				
Course Coordinator					
Course Objective	It aims to introduce students to the principles of geology and their relationship to soil and agriculture, in addition to studying geological phenomena.				
Course Description	Definition of geology ,its branches and history, Geological phenomena, Minerals : characteristics, classification, Rocks : characteristics, classification, The Water cycle: Surface Water and Groundwater. relationship of Geology, agriculture and soil .				
Textbook					
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	%20	%15	5%		%60
General Notes					

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week	Date	Topics Covered	Practical Part
1		Introduction to Geology and its branches and History	The relationship of Geology soil
2		Geological phenomena	Types of minerals: characteristics , classification
3		Minerals	Types of minerals: characteristics , classification
4		Classification of Minerals	Types of minerals: characteristics , classification
5		Weathering	Types of minerals: characteristics , classification
6		Weathering	Rocks: characteristics , classification
7		Rocks	Rocks: characteristics , classification
8		Igneous Rocks	Rocks: characteristics , classification
9		Sedimentary	Rocks: characteristics , classification
10		Metamorphic Rocks	Minerals and natural rocks in Iraq
11		The Water cycle: Surface Water	Minerals and natural rocks in Iraq
12		Groundwater	Minerals and natural rocks in Iraq
13		Natural resources	Geological formation and Natural phenomena in Iraq
14		The relationship of Geology agriculture and soil	Geological formation and Natural phenomena in Iraq
15		deserts	Collecting Rocks Sample from Iraq

توقيع العميد:

توقيع الاستاذ:

