

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University:Diyala

College:Agriculture

Department:Soil Sciences and
Water Resources

Stage: four

Lecturer name Hussain aziz
mohammed

Qualification:PhD

Place of work: Soil Sciences and
Water Resources

Flow up of implementation celli pass play

Course Instructor	Hussain aziz mohammed				
E-mail	husseinaziz@uodiyala.edu.iq				
Title	Soil survey and classification				
Course Coordinator	Autumn semester				
Course Objective	1- Knowing the history of soil development 2- Knowledge of soil formation 3- Knowledge of soil horizons and how to distinguish between horizons 4- The possibility of accurate diagnosis of soils and their prospects				
Course Description	1- The ability to describe the Bedoon 2- Distinguishing between soil crops through a proven guide 3- The ability to distinguish soil by differentiating between its horizons				
Textbook	.Soil survey and classification. Dr. Ahmed Saleh Muhaimid 1994 -1 Pedology. Soil survey and classification. Dr. Walid Khaled Hassan Al- -2 .Akidi. 1986 .Soil genesis and classification, Boul, et.al. 2005 -3				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	(20%)	(15%)	(5%)		(60%)

Teaching plan form for the subject

Notes	Practical material	Theoretical material	the date	the week
	Field applications for describing soil profile	A historical overview of the classification of soils in the world		1
	How to prepare and interpret soil maps	The relationship between pedological sciences and the objectives of the classification year		2
	Interpreting aerial photographs and using them as maps	Horizons: genetic horizons		3
	Step factor and drawing scale	Superficial and subsurface diagnostic horizons		4
	Soil survey tools and how to record information	Genetic systems for soil classification: Russian systems		5
	Comparing Iraqi and international soil survey reports	Canadian regulations, FAO system, WRB		6
	Implementing field sweeping works	The old American system		7
	Implementing field sweeping works	American quantitative system		8
	Implementing field sweeping works	The structure of the system and the foundations for determining annual terms		9
	Preparing a soil survey report	Inheritance and distinctive characteristics of soil classes		10
	Interpreting soil survey results and preparing maps	Inheritance and distinctive characteristics of soil classes		11
	Interpreting soil survey results and preparing maps	Soil survey: concept and objectives		12
	Characteristics of Iraqi soil units	Degrees and survey work		13
	Preparing the distribution chart for Iraqi soil units	Soil maps and soil survey report		14
	Preparing the distribution chart for Iraqi soil units	Land classification and uses		15



توقيع العميد:
2025 / 1 / 15

~~د. حسين محمد~~

توقيع الاستاذ:
2025 / 1 / 15