

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala
College: Agriculture
Department: Soil and water
resources department
Stage: Second
Lecturer name: Dr. Faris
M.Suhail
Qualification: : PhD.
Place of work: Coll. Of
Agriculture

Flow up of implementation celli pass play

Course Instructor	Aidel Kadum Jassim AL-SHAMARY				
E-mail	adel_kadum500@yahoo.com				
Title	Surveying				
Course Coordinator	the second				
Course Objective	The student will be familiar with the tools used in surveying, measuring length, and drawing a linear map				
Course Description	The student is able to identify the main axis of the project and the student is familiar with drawing using graph paper.				
Textbook	1- Flat area. Fawzi Al-Khalisi. College of Engineering - University of Baghdad. 2- Engineering and cadastral surveying. Ziad Abdul Jabbar Al-Bakr				
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		Definition of Plan surveying and its importance	Measure distances in steps
2		Survey methods	Measuring with tape and orienting with signs
3		Types of space	Column drop experiment
4		Measurement units	Column erection experience
5		The English system of grandmothers	Experiment with obstacle distances
6		The metric system of units	Experience obstacles 2
7		Measuring distances on flat terrain	Leveling device experience
8		Measuring horizontal distances on sloping terrain	Settlement device accounts
9		Columns to measure areas	Arithmetic applications
10		Obstacles and their types	Arithmetic applications
11		Settlement and its importance in agriculture	Arithmetic applications
12		Types of leveling devices	Arithmetic applications
13		Topographic survey	Collect field data
14		Scanning with flat plate	Arithmetic applications
15		Areas and volumes	Calculations of areas and

			volumes
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Instructor Signature:

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