



Course Description/ General Plant Material

Course Instructor	Dr. Layla Ismaeel Mohammed , Dr. MaKKiyha Kadhim				
E_mail	dr.layla.majidy@gmail.com , Makaya kadhum@gmail.com				
Title	Botany				
Course Coordinator	Type here the name of course coordinator				
Course Objective	study of plants Morphologically and Anatomically and the relation of Botany with other sciences like Plant Taxonomy, Plant Cytology, Plant Physiology . Description of plant body parts, types and structure like cells, tissues and major organs of plant body.				
Course Description	Description of differences of plant shapes and species in size, shape, function of origin and reproduction, study of Plantae Kingdom divisions. Comparison between plant and animal cell. Major components of the cell and cytoplasmic organelles with draw. Chemical composition of cell wall. Types of tissues Meristematic and Permanent T. Study of Root System, Stems and the leaf, types, morphology, anatomy in monocots and dicots. Morphology and anatomy in relation to environment, mesophytes, hydrophytes, xerophytes, halophytes.				
Text book	-Botany. -Botany Manual. 1980. A. H. Al- Mosawee and H. A. Al-Saady. Ministry of Higher Education and Scientific Research. Al-Basrah University.				
References	-Integrative Plant Anatomy. 2000. W. C. Dickson. Academic Press. USA. -Essential of Plant Anatomy. 1988. Bedry A. Alaany and K. N. Saleh. Mousel University. -Albaumi, A. A., U. A. Saleh and U. H. Said. 2000. Essential of Botany. Modern Egyptian Press. Egypt. -Shipunov, A. 2018. Introduction to Botany. Minot State University. USA.				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As (30%)	As (15%)	As (5%)	----	As (50%)
General Notes	Type here general notes regarding the course				



University: Baghdad
College: Agriculture
Department: Field Crop Dept.
Stage: First
Lecturer name: Professor Layla
Ismaeel, Assist. Prof Dr.
Makkiyha Kadhim
Qualification: Ph. D.
Place of work: University of
Baghdad- Field Crop Dept.

Course Description/General Plant Material

week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Botany	Methods of Slides Preparation	
2		Plant Body	Plant Cell	
3		Chemical structure of cell wall	Cell Wall Structure	
4		Plant Tissues	Cell Division	
5		Examination	Examination	
6		Secretory Tissues	Meristematic Tissues	
7		Complex Tissues	complex Tissues	
8		Root System	Anatomy of Roots	
9		Stem	Anatomy of Stems	
10		Examination	Examination	
11		The Leaf	Anatomy of Leaf	
12		Flowers	Types of Leaf Blades	
13		Fruits	Structure of Flowers	
14		Effect of Environment on Plant Morphology and Anatomy	Structure of Fruits	
15		Examination	Examination	
16				
Half-year Break				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				

Instructor Signature: