

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Horticulture and
Landscape

Stage:3

Lecturer name:Dr. Hiba Ahmed
Jawad

Qualification: PhD

Place of work: Horticulture and

Course Instructor	Dr. Hiba Ahmed Jawad				
E-mail	Hibajawad@uodiyala.edu.iq				
Title	Plant growth regulators				
Course Coordinator	Autumn				
Course Objective	Definition of growth regulators and plant hormones and a definition of some of the terms used in expressions of growth regulators				
Course Description	Unit 3.5: 5 hours				
Textbook	Type here the textbook (title,author,edition,publisher,year)				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	As(35%)	As(15%)	As(10%)		As(40%)
General Notes	Final grade 100%				

الاسبوع	المادة العملية	المادة النظرية	الملاحظات	الاسبوع
	Terminology and definition of some terms	. Introduction and definition of some terms		1
	Auxin growth stimulants	Auxin construction, auxin action mechanism, and auxin catabolism		2
	Auxin synthesis, auxin catabolism, and IAA derivatives	Cytokinins and physiological effects		3
	Gibberellin, structure of gibberellin, its transport process, physiological effects of gibberellin	Gibberellin		4
	Cytokinins Functions of cytokinins and applications of cytokinins	Alathilayn		5
	Semester 1st exam	Semester 1st exam		6
	Abscisic acid, physiological effects of abscisic acid	Abscisic acid and similar compounds		7
	Ethylene, physiological effects of ethylene	Jasmonic acid		8
	Some physiological relationships of ethylene gas,	The role of jasmonic acid in plant protection and resistance		9
	And the biosynthesis of ethylene	Salicylic acid		10
	Chloroplast	Amino acids and polyamines		11
	Semester 2nd exam	Semester 2nd exam		12

	Molecular structure and its relationship to the biological activity of hormones	The role of growth regulators in plant tissue culture		13
	The effect of hormones on plant body cells	The most important ways to add plant growth regulators		14

توقيع العميد: