

PLANT GROWTH REGULATORS

1	Course Title:	PLANT GROWTH REGULATORS
2	Course Code:	BAB5001
3	Type of Course:	Optional
4	Level of Course:	Second Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	6.00
8	Theoretical (hour/week):	3.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Doç.Dr. ASUMAN CANSEV
15	Course Lecturers:	Prof. Dr. Hatice Gülen
16	Contact information of the Course Coordinator:	Prof. Dr. Hatice Gülen hsgulen@uludag.edu.tr 224-2941477 Uludağ Üniversitesi Ziraat Fakültesi Bahçe Bitkileri Bölümü Nilüfer/Bursa
17	Website:	
18	Objective of the Course:	The purpose of this course is to give students advanced plant growth regulators. In the context of this course, description and use of plant growth regulators, effects of plant hormones, carbohydrates, enzymes and proteins, lipids, vitamins and other cellular components are discussed.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Learn and classified the plant growth regulators
	2	Learn plant hormones
	3	Learn the applications of plant hormones
	4	Learn the application of growth regulators
	5	Learn the physiological effects of growth regulators
	6	Learn the control of growth and development using growth regulators
	7	Learn the leading of growth and development using growth regulators
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	10	
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	The content and importance of the course	
2	Description and classification of growth regulators	

3	Dormins	
4	Gibberellins	
5	Cytokinins	
6	Auxins	
7	Ethylene	
8	Enzymes	
9	Proteins	
10	Lipids	
11	Carbohydrates	
12	Vitamins	
13	External use of growth regulators-I	
14	External use of growth regulators-II	

22	Textbooks, References and/or Other Materials:	Plant Hormones and their Role in Plant Growth and Development, D.J.Davis, Plant Growth and Development, A.C.Leopold, P.E.Kriedemann, Hormones and Growth Regulatory, F.B.Salisbury, C.Ross, Advanced Plant Physiology, M.B.Wilkins.
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBER	WEIGHT		
Activites			Number	Duration (hour)	Total Work Load (hour)
Theoretical			14	3.00	42.00
Final Exam		1	50.00		
Practicals/Labs			0	0.00	0.00
Self study and preparation			14	1.00	14.00
Contribution of Term (Year) Learning Activities to			50.00		
Homeworks			2	24.00	48.00
Projects			0	0.00	0.00
Contribution of Final Exam to Success Grade			50.00		
Field Studies			0	0.00	0.00
Midterm exams			0	0.00	0.00
Measurement and Evaluation Techniques Used in the					
Others			0	0.00	0.00
24	Final Exam		1	70.00	70.00
ECTS / WORK LOAD TABLE					
Total Work Load					174.00
Total work load/ 30 hr					5.80
ECTS Credit of the Course					6.00

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
ÖK2	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
ÖK3	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
ÖK4	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0

ÖK5	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
ÖK6	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
ÖK7	0	4	0	5	0	5	3	2	0	4	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			