

# PLANT MORPHOLOGY AND ANATOMY

1	Course Title:	PLANT MORPHOLOGY AND ANATOMY
2	Course Code:	BYL2005
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	2
6	Semester:	3
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. HULUSI MALYER
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	malyer@uludag.edu.tr 0224 2941785 Uludağ Üniversitesi, Fen – Edebiyat Fakültesi, Biyoloji Bölümü, 16059, Nilüfer-Bursa
17	Website:	
18	Objective of the Course:	To give an overview about the external and internal structure of Flowering Plants and analyze cellular and tissue structures and give the basic terms and information about the traits of plant organs.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	Explains basic information about cell structure
	2	Explains types and structures of plant tissues with classifying them
	3	Explains anatomical structures of plant tissues
	4	Explains anatomical structures of plant tissues
	5	Explains external morphologies of plant organs
	6	Explains metamorphoses in plant organs
	7	Explains reproduction types of plants
	8	Explains examining and identifying microscopic and macroscopic structures
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21	Course Content:	
	<b>Course Content:</b>	
Week	Theoretical	Practice
1	Cell structure and cell wall of Flowering Plants	
2	Classification of Flowering plant tissues and meristems I	

3	Meristems II, Permanent tissues, Primer and seconder Protective tissues	
4	Supporting tissue, Basic tissue in Flowering Plants	
5	Vascular tissue in Flowering Plants	
6	Secretory tissue, Internal organography (Stem anatomy) in Flowering Plants	
7	Leaf and root anatomy of Flowering Plants	
8	Flower, fruit and seed anatomy in Flowering Plants	
9	External organography, Stem morphology in Flowering Plants	
10	Repeating courses and midterm exam	
11	Leaf, root morphology of Flowering Plants	
12	Flower morphology, floral formulas and diagrames of Flowering Plants	
13	Fruit and seed morphology in Flowering Plants	
14	Pollination, pollination types and absition	

22	Textbooks, References and/or Other Materials:	Yentür,S.Bitki Anatomisi İstanbul, 1995 Küçüker,O., Bitki Morfolojisi, İstanbul, 1998
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23	Assesment	
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TERM LEARNING ACTIVITIES		NUMBER	DURATION	
Activites		Number	Duration (hour)	Total Work Load (hour)
Quiz		0	0.00	
Theoretical		14	2.00	28.00
Home work-project		0	0.00	
Practicals/Labs		0	0.00	0.00
Final Exam		1	0.00	
Self study and preperation		14	4.00	56.00
Total		2	100.00	
Homeworks		1	12.00	12.00
Contribution of Term (Year) Learning Activities to Success Grade		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	12.00	12.00
Total		1	100.00	
Others		0	0.00	0.00
Measurement and Evaluation Techniques Used in the Course		1	12.00	12.00
Total Work Load				120.00
Total work load/ 30 hr				4.00
ECTS Credit of the Course				4.00

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	3	0	0	2	0	1	0	0	0	0	1	0	0	0	0	0
ÖK2	3	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0
ÖK3	3	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0
ÖK4	3	0	0	1	0	1	0	0	0	0	1	1	0	0	0	0

ÖK5	3	0	0	1	0	1	0	0	0	0	1	0	0	0	0	0
ÖK6	3	0	0	1	0	2	0	0	0	0	1	0	0	0	0	0
ÖK7	3	0	0	1	0	2	0	0	0	0	1	0	0	0	0	0
ÖK8	3	0	0	2	0	0	2	0	0	4	1	2	0	0	0	0
LO: Learning Objectives    PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			