

**HARRAN UNIVERSITY FACULTY OF SCIENCE AND ARTS
DEPARTMENT OF BIOLOGY**

Course Name	Code	Semester	T+P	Credits	ECTS
Bitki Anatomisi	0804349	3 rd Year/Fall	2+0	2	3

Prerequisite Course(s)	
------------------------	--

Language of Instruction	Turkish
Type of Course	Compulsory
Coordinator	Prof. Dr. Ömer Faruk KAYA
Instructor	Prof. Dr. Ömer Faruk KAYA
Co-instructors	
Course Objectives	To teach the structures and functions of plant cell, tissue and organs
Course Outcomes	To learn the structures and functions of plant cell, tissue and organs
Course Contents	Structural features of plant cells, organic and inorganic materials, plant tissue types: meristem, epidermis, parenchyma, sclerenchyma, collenchyma, conducting and secretory tissues. structural characteristics of root, stem, leaf, flower, fruit and seed

Weeks	Topics
1	Plant cell structure, protoplasm, cell wall
2	Structure and function of meristems and the vascular cambium
3	Structure and function of the epidermis and Parenchyma
4	Structure and function of collenchyma and sclerenchyma
5	Structure and function of xylem and phloem
6	Structure and function of secretory system and Periderm
7	Mid-term exam
8	Structure and function of root
9	Structure and function of stem
10	Structure and function of leaf
11	Structure and function of flower
12	Structure and function of flower
13	Structure and function of fruit
14	Structure and function of seed
15	Final exam

General Capabilities

In general terms, knowledge about the structure and function of plant cell, tissue and organs

Recommended or Required Reading

1. Yentür, S. 1995. Bitki Anatomisi. İstanbul Üniversitesi Yayınları, 558 s., İstanbul.
2. Özörgücü, B., Gemici, Y., Türkan, İ. 1991. Karşılaştırmalı Bitki Anatomisi. Ege Üniversitesi Basımevi, 127 s., İzmir.

Form of Assessment

Mid-term exam : 40%
Final exam : 60%
Projects :
Homework :

Course Code : 0804349
 Course Name : Plant Anatomy
 Instructor : Prof. Dr. Ömer Faruk KAYA
 Theoretical / Practical / Credits : 2 0 2
 ECTS : 3

Course Description	Duration (hour)	Evaluation
Theoretical (hour/week)	2x15 = 30	Attendance
Guided Problem Solving		
Individual Work		
Evaluation of Assessments		Evaluation and discussion with coordinator and co-instructors
Term Project		
Mid-Term Exam	For the exam : 1 Individual work : 19	Closed book, written exam
Final Exam	For the exam : 1 Individual work : 24	Closed book, written exam
Quiz		
Research (internet/lib.)	15	Search from different sources
Discussion of Homework Problems		
Other		
Total Course Load (hour/year)	90	