

Lesson Name	D. Kodu	Semester	T + U	Kredisi	ECTS
General Biology II Lab.	0804203	2	0+4	2	3
Language of the Lesson	Turkish				
Type of Course Unit	Compulsory				
Name of Lecturer(s)	Assist. Prof. Dr. Arif PARMAKSIZ				
Objectives of the Lesson	This course is to acquaint the first year biology students with fundamental concepts of General Botany and Morfology of Plant, and to familiarize them with the importance of plants in their daily lives.				
Lesson Content	Plant cells and organells, Plant cell walls and passageway types, Differentiation of plant cell walls, Tissue types, Root,stem, leaf and their morphological properties, Generative organs: Flower,fruit, seed and morphological properties of them and their types, their observation				
Weeks	Topics				
1.	Microscopic Recognition and Preparat Preparation, Examination of cell samples				
2.	Starch granules and types				
3.	Resin channels and Crystals				
4.	Plastids				
5.	Stomas				
6.	Trikom and emergence				
7.	Midterm				
8.	Root and root types, body structure and body types				
9.	Leaf types and lining, leaf structure				
10.	Flower, Flower parts, Ovarium conditions, flower conditions and formula				
11.	Seed structure, plantation				
12.	Fruit structure and fruit types				
13.	Plasmaolysis and deplasmolysis				
14.	Final				
Generic Competences					
Resources					
Kaya, Ö.F., (2008). Botanik Laboratuvar Klavuzu. Teksir Yentür, S., Yüzbaşoğlu, S., kösesakal, T., Aytamka, E., Kaplan, E. (2005). Genel Biyoloji II Laboratuvar Klavuzu Bozcuk, S., Terzioğlu, S., Tıprıdamaz, R., Oybak Dönmez, E., Ekmekçi, Y., Özkum, D. Çiçek, N. (2005).Botanik Laboratuvarı El Kitabı. Ankara: Hacettepe Üniversitesi Yayınları Özörgücü, B., seçmen, Ö., Yazgan, M., Gemici, Y. (1996). Genel Botanik Uygulama Kitabı. Bornova-İzmir: Ege Üniversitesi Basımevi Güner, A. (2006) Bitkiler (Çeviri). Ankara. Tübitak Popüler Bilim Kitapları					
Evaluation System					
Midterm : % 40 Final : % 60					