	POWDER BIOLOGY											
1	Course Title:	POWDE	R BIOLOGY									
2	Course Code:	BYL4131										
3	Type of Course:	Optional										
4	Level of Course:	First Cyc	le									
5	Year of Study:	4										
6	Semester:	7										
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 f	ace									
14	Course Coordinator:	Doç. Dr.	Aycan Tosunoğlu									
15	Course Lecturers:											
16	Contact information of the Course Coordinator:	Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü, Görükle Kampüsü, Nilüfer/BURSA 16059 aycanbilisik@uludag.edu.tr 0224.2941854										
17	Website:											
18	Objective of the Course:	The aim of the course is to provide the student with versatile information about the Pollination Biology of Flowering Plants and to gain different perspectives.										
19	Contribution of the Course to Professional Development:											
20	Learning Outcomes:											
		1	To understand the pollination phenomenon in plants									
		2	To understand the plant-pollinator relationships									
		3	To understand the basics of evolution and diversity in flowers									
		4	To understand pollination vectors									
		5	To understand pollinator behavior									
		6	To understand the importance of pollination in terms of health and economy									
		7										
		8										
		9										
04	Course Content	10										
21	Course Content:	<u></u>	ourse Content:									
Week	Theoretical		Practice									
vveek	Introduction to Pollination Biology											
2	Flower structure, life cycle in flowerin	na plante										
3	Fertilisation and Sterility	ig plants										
3	r erunsation and Sternity											

4		olutio				volution daptatio		tural											
5	Flowe	owers and Diversity; flaunt, signals, awards, micry																	
6	Diver	versity and evolution of pollinators																	
7	Abiot	iotic pollination (water and wind)																	
8						n of zoo n syste		/ and											
9	Differ	rent	forms	of zo	ogam	y (inse	cts)												
10	Differ	rent	forms	of zo	ogam	y (birds	s, man	nmals)											
11		vior,	forag	jing st		omy, fe es, ma													
12		Pollination syndrome, biodiversity and conservation of endangered species																	
13	The in health	he importance of plant pollination for human ealth																	
14	Economic importance of plant pollination, plant phenology, habitat use, commercial pollination services, climate change, pesticide / herbicide use, pollinator pathogens																		
22	2 Textbooks, References and/or Other Materials:								Co	D. P. Abrol. 2011. Pollination Biology: Biodiversity Conservation and Agricultural Production. Springer Science & Business Media									
Activit	Activites								Numb				Duration (hour)			Total Work Load (hour)			
Theore	Theoretical								TH.	H.IH, Karaytuğ S., Günd <sup>2</sup> z00. 200					02. Évrims 28 A Alliz.				
Practic	Practicals/Labs									0.00					0.00				
Self stu	Self study and preperation									D&A Publishing,UK			4.00			56.00			
Homew	lomeworks									1			16.00			16.00			
Project									1w/	0 WEIGHT			0.00			0.00			
	Studies									0			0.00				0.00		
Midterr	n Exar	n Exams 1								100	10.00				10.00				
Others													0.00				0.00		
FionaleE	Ewanksproject 1								10	10100				10.00			10.00		
Total V	otal Work Load															120.00			
Total w	al work load/ 30 hr 3								10	100.00						4.00			
	ECTS Credit of the Course Success Grade															4.00			
Contrib	oution	of Fi	inal E	xam to	Suc	cess G	rade		60	60.00									
Total									100.00										
Measu Course	9							d in the	9										
24	ECT	S/	WO	RKL	OAD	TAB	LE												
25				CON	TRIE	BUTIO	N OI				OUTC ATIO	COME: NS	STO	PROC	GRAM	ME			
	P	Q1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	5		3	4	4	0	0	0 (	)	0	0	0	4	0	0	0	0		

Contrib ution Level:	n			2 low			3 Medium			4 High			5 Very High			
LO: Learning Objectives PQ: Program Qualifications																
ÖK6	5	3	4	4	4	4	4	4	0	3	4	4	0	0	0	0
ÖK5	5	3	4	4	4	3	4	4	0	3	4	4	0	0	0	0
ÖK4	5	3	4	4	4	0	4	4	0	3	4	4	0	0	0	0
ÖK3	5	3	4	4	0	0	0	0	0	3	4	4	0	0	0	0
ÖK2	5	3	4	4	0	0	0	0	0	3	0	4	0	0	0	0