INTRODUCTION TO DUSTING BIOLOGY Course Title: INTRODUCTION TO DUSTING BIOLOGY 1 Course Code: BYL0537 2 Type of Course: Optional 3 Level of Course: 4 First Cycle Year of Study: 4 5 8 Semester: 6 ECTS Credits Allocated: 4.00 7 Theoretical (hour/week): 2.00 8 9 Practice (hour/week): 0.00 10 Laboratory (hour/week): 0 None 11 Prerequisites: Turkish 12 Language: Mode of Delivery: Face to face 13 14 Course Coordinator: Prof. Dr. Aycan Tosunoğlu 15 Course Lecturers: Contact information of the Course Bursa Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü, 16 Görükle Kampüsü, Nilüfer/BURSA 16059 Coordinator: aycanbilisik@uludag.edu.tr 0224.2941854 Website: 17 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. Contribution of the Course to It will be beneficial for the students to learn the pollination 19 phenomenon, its importance, plant-pollinator relationships, the Professional Development: fundamentals of diversity based on evolution and coevolution, which is one of the natural processes in terms of plant reproduction, in terms of developing different perspectives on ecosystem balances in their future lives. Learning Outcomes: 20 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 10 Course Content: 21 **Course Content:** Practice Week Theoretical 1 Introduction to Pollination Biology

2	Flow	ver st	tructur	e, life	cycle	in flow	ring	plants													
3	Fert	ilisati	on an	d Ster	ility																
4	Flow	vers,	Pollin	ation a	and E	volutio	n														
5	Flow	vers a	and D	iversit	y																
6	Dive	ersity	and e	volutio	on of p	oollinat	ors														
7	Abic	otic p	ollinat	ion																	
8	Bioti	ic pol	llinatic	n																	
9	Diffe	erent	forms	of zoo	ogam	y (inse	cts)														
10	Diffe	erent	forms	of zoo	ogam	y (birds	s, man	nmals)												
11	Polli com	inatio muni	on stra	tegies	, marl	king,															
12	Polli cons	inatio serva	n syn ition o	drome f enda	, biod ingere	liversity ed spec	/ and cies														
13	The heal	impo Ith	ortanc	e of pl	ant po	ollinatic	on for l	humai	۱												
14	Eco	nomi	c impo	ortance	e of p	lant po	llinatio	on													
22 Textbooks, References and/or Other Materials: Activites										D. P. Abrol. 2011. Pollination Biology: Biodiversity Conservation and Agricultural Production. Springer Science & Business Media Waser N.M. & Ollerton J. 2006. Plant-pollinator interactions. From specialization to generalization. The University of Chicago Press, Chicago. Freeman, S. & Herron J.C. Çev.Ed. Çıplak B., Başıbüyü Number Duration (hour) Total Wor Load (hou						he <u>üyük</u> /ork hour)					
Theore	Theoretical												2.00	2.00			28.00				
Practic	Practicals/Labs										0					0.00					
SERM											wғıднт				5	56.00					
Homew	Homeworks											1				16.00					
Rrgject	Broiects											0.00				0.00					
Field S	Field Studies												0.00			0.00					
Midter	0.exa	ams					1		601	60 ¹ 00				10.00			10.00				
Others	ar Example in the second secon										0					0.00					
Einal E	xams	of T	erm (`	Year)	earn	ina Act	ivities	to	401	40 ¹ .00				10.00			10.00				
Total W	Vork I	Load		<u>- 0017 1</u>												130.00					
<u>Totalrıv</u>	Conductor Park Park Exam to Success Grade											60.00				4.00					
ECTS (Credi	it of t	he Co	urse												4.00					
Measur Course	Measurement and Evaluation Techniques Used in the Course											The system of relative evaluation is applied.									
24	EC.	TS /	WO	RK L	OAD	TAB	LE														
25	<u> </u>				TRIB		N O	E LE	ARN	ING	ουτα	OME	S TO P	ROG	RAMI	ME					
								C	QUA	LIFIC	ATIO	NS									
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16				
ÖK1	:	5	3	4	4	0	0	0	0	0	0	0	4	0	0	0	0				
ÖK2	:	5	3	4	4	0	0	0	0	0	3	0	4	0	0	0	0				
ÖK3		-	2					0									 				

ÖK4	5	3	4	4	4	0	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
ÖK6	5	3	4	4	4	3	4	4	0	3	4	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low			2 low		3 Medium			4 High			5 Very High				