INTRODUCTION TO DUSTING BIOLOGY

1	Course Title:	INTRODUCTION TO DUSTING BIOLOGY
2	Course Code:	BYL0537
3	Type of Course:	Optional
4	Level of Course:	First Cycle
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 face
14	Course Coordinator:	Prof. Dr. Aycan Tosunoğlu
15	Course Lecturers:	-
16	Contact information of the Course Coordinator:	Bursa 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:	It will be beneficial for the students to learn the pollination phenomenon, its importance, plant-pollinator relationships, the 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.
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
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21	Course Content:	

Course Content:

Week	Theoretical	Practice
1	Introduction to Pollination Biology	

2	Flower structure, life cycle in flowering plants	
3	Fertilisation and Sterility	
4	Flowers, Pollination and Evolution	
5	Flowers and Diversity	
6	Diversity and evolution of pollinators	
7	Abiotic pollination	
8	Biotic pollination	
9	Different forms of zoogamy (insects)	
10	Different forms of zoogamy (birds, mammals)	
11	Pollination strategies, marking, communication	
12	Pollination syndrome, biodiversity and conservation of endangered species	
13	The importance of plant pollination for human health	
14	Economic importance of plant pollination	

22	Textbooks, References and/or Other Materials:	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., Başıbüyük

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	16.00	16.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			120.00
ECTS Credit of the Course			4.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	1	60.00
Contribution of Term (Year) Learning Activities to		40.00
Contribution of Final Exam to		60.00
Total work load / 30 hr		

Measurement and Evaluation Techniques Used in the Course	The system of relative evaluation is applied.

24 ECTS / WORK LOAD TABLE

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	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	5	3	4	4	0	0	0	0	0	3	0	4	0	0	0	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

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**