	BEE PRODU	CTS A	ND FLORAL ORIGINS							
1	Course Title:	BEE PR	ODUCTS AND FLORAL ORIGINS							
2	Course Code:	BIO5122								
3	Type of Course:	Optional								
4	Level of Course:	Second	Cycle							
5	Year of Study:	1								
6	Semester:	2								
7	ECTS Credits Allocated:	6.00								
8	Theoretical (hour/week):	3.00								
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:									
17	Website:									
18	Objective of the Course:	A detailed understanding of bee products, as a result of honey bee activities, and their properties, honeybee and flora relationship.								
19	Contribution of the Course to Professional Development:	The protective and complementary application method of bee and bee products in the treatment of some diseases is very old, and it will be beneficial for biologists to evaluate bee products, their contents and bee-flora relationship for graduate profession and career development.								
20	Learning Outcomes:									
		1	Having information about the biological properties of bee products.							
		2	To understand the relationship between honey bees and flora							
		3	To be able to comprehend the relationship between bee products and plants used by bees as a source and the properties of these plants							
		4	Having an idea about apitherapy							
		5	Having information about law regulations about bee products							
		6								
		7								
		8								
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
	Theoretical		Practice							
1	Honey bee colony members and the features									

2	Honov	ho	nev	format	ion														
3	Honey, honey formation Pollen																		
	Propolis																		
4	Royal jelly, apilarnyl																		
5	Bee venom																		
6																			
7	Bees wax																		
8	Nectariferous plants																		
9	Honeydew plants																		
10	Pollen plants																		
11	Melissopalynological analysis of bee products																		
12	Bee pr																		
13	Bee pr				h rela	tion													
14	Law re	gula	ation																
22	Textbooks, References and/or Other Materials:								Lo Sil Kit Fre Pre Oc P.,	E. Crane: Honey. A comprehensive survey, Heinemann, London, 1975. Silici S. Bilimsel Gerçeklerle Apiterapi. Akademisyen Kitabevi, Ankara, 2020. Free, J.B. 1993. Insect pollination of crops. Academic Press, New York. 2nd Edition. Oddo, L.P., Piana, L., Bogdanov, S., Bentabol A., Gotsiou, P., Kerkvliet, J., Martin, P., Morlot, M., Ortiz Valbuena, A., Ruoff, K., Von Der Ohe, K. 2004. Botanical species giving									
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ÖK3

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