G	SAMETOGENESIS ANI								
		1	ECIES						
1	Course Title:	GAMETOGENESIS AND EMBRYO DEVELOPMENT IN FRUIT SPECIES							
2	Course Code:	BAB6013							
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	1							
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:								
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	ÜMRAN ERTÜRK						
15	Course Lecturers:	Prof.Dr.	Cevriye MERT						
16	Contact information of the Course Coordinator:	E-posta: umrane@uludag.edu.tr Telefon: 0 224 2941471 Adres: Uludağ Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Görükle Kampüsü, 16059 Nilüfer, Bursa							
17	Website:								
18	Objective of the Course:	The aim of this course is to teach the basic information about the formation of gametes in fruit species and related to both breeding and fruit keeping and yield.							
19	Contribution of the Course to Professional Development:								
20	Learning Outcomes:								
		1	Learn flower arrangements in fruit species						
		2	The importance of pollination and fertilization in fruit behavior						
		3	Learn about conflict and infertility						
		4	Learn factors affecting gamet formation factors						
		5	Learn the importance of variety selection when setting up a fruit orchard						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
1.4.4	Course Content:								
	Theoretical		Practice						
1	Flower Formation in Fruit Species	. I							
2	Male Gamet Formation (Pollen Deve	elopment)							
3	Female Gamet Formation								

4		Environmental Factors Affecting Male and Female Gamet Formation																
5		Physiological Factors Affecting Male and Female Gamet Formation																
6	Powder a	Powder and Pollen Stigma Interaction																
7	Pollen S Fertilizat	velopr	nent a	ind														
8	Infertility																	
9	Incompa																	
10	Endosperm and embryo development																	
11	Apomixis and parthenocarpy																	
12	Develop	ment of	fruit															
13	Discussi	Discussion of research topics																
14	Discussi	on of re	esearc	h top	ics													
22 Activit	Textbooks, References and/or Other Materials:							F.C Ne Ha De Po In:I 81- Mc 28:	Heslop – Harrison, J. 1972.Sexuality of Angiosperms. (InF.C.Steward. Editor) Plant Physiology. Academic PresNew York and London 133 – 289.Hartmann, F.O. and Howlett, H.1954. Fruit Setting of theDelicious Apple. Ohio Agr. Exp. Sta. Res. Bull. 745, 64 p.Polito, V.S., 1985. Flower Differentiation and Pollination.In:D.E.Ramos , Editor, Walnut Orchard Management,81-86. Univ. Of California, Cooperative Extention, USA.Mckay, J.W. 1947. Embriyology of pecan. J.Agr. Res. 263-283.NumberDuration (hour)Total Work									
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Practic	acticals/Labs											0.00			0.00			
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ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 Iow		3 Medium 4					4 High			5 Very High		