G	SAMETOGENESIS AN		BRYO DEVELOPMENT IN FRUIT								
1	Course Title:	1	OGENESIS AND EMBRYO DEVELOPMENT IN FRUIT								
2	Course Code:	BAB6013									
3	Type of Course:	Optional									
4	Level of Course:	Third Cycle									
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.	CEVRİYE MERT								
15	Course Lecturers:	Prof.Dr. Ümran Ertürk									
16	Contact information of the Course Coordinator:	Görükle E-posta:	ludağ Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü, Kampüsü, 16059 Nilüfer, BURSA : cevmert@uludag.edu.tr : 0 224 2941542								
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:	Gains detailed information about gametogenesis and embryo development in fruit species. Students apply the knowledge learned in this course in their professional life.									
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									
04	10 10										
21											
\\/ool	Theoretical	Co	Durse Content:								
Week	Theoretical		Practice								
1	Flower Formation in Fruit Species	lonment									
2	Male Gamet Formation (Pollen Deve	elopment)									

Female Gamet Formation

4				Facto t Form		ecting I	Male a	and										
5	Phy	siolo	gical F		s Affe	cting M	lale ar	nd										
6	Pow	Powder and Pollen Stigma Interaction																
7	Fert	ilizati	ion			evelopn	nent a	nd										
8	Infe	rtility	in frui	t spec	ies													
9	Inco	mpa	bility i	n fruit	speci	es												
10	Endosperm and embryo development																	
11	Apomixis and parthenocarpy																	
12	Dev	elopr	ment o	of fruit														
13	Disc	cussio	on of I	resear	ch top	oics												
14	Disc	cussio	on of I	resear	ch top	oics												
22 Activit	Materials:								F.C Ne * H D * P In:I 81- * N 26:	<ul> <li>* Heslop – Harrison, J. 1972.Sexuality of Angiosperms. (In F.C.Steward. Editor) Plant Physiology. Academic Pres New York and London 133 – 289.</li> <li>* Hartmann, F.O. and Howlett, H.1954. Fruit Setting of the Delicious Apple. Ohio Agr. Exp. Sta. Res. Bull. 745, 64 p.</li> <li>* Polito, V.S., 1985. Flower Differentiation and Pollination. In:D.E. Ramos, Editor, Walnut Orchard Management, 81-86. Univ. Of California, Cooperative Extention, USA.</li> <li>* Mckay, J.W. 1947. Embriyology of pecan. J.Agr. Res. 263-283.</li> <li>Number Duration (hour) Total Work Load (hour)</li> </ul>								
Theore	tical								1	4			3.00			42.00		
Practica	I	abs							C				0.00			0.00		
Self Stu				<b>VITIES</b>	,			OWRE	WĘ	igнт 4			3.00			42.00		
Homew			•				<u> R</u>		2	2			24.00			48.00		
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	d Studies									)			0.00	0.00				
Midtern	PEDATAMS 1									b.00			0.00			0.00		
Others									_	0						0.00		
Einalrit	tribution of Term (Year) Learning Activities to									0			50.00			50.00		
	Total Work Load													182.00				
Cotatrilo	Cotatribotio food F30ah Exam to Success Grade								100	0.00			6.07					
ECTS (	ECTS Credit of the Course															6.00		
Measur Course		nt an	nd Eva	aluation	n Tec	hnique	s Use	d in th	e Fin	al Exa	ım							
24	EC	TS /	WO	RK L	OAD	TAB	LE											
25	Т			CON	TRIE	BUTIO	N O	E LE/	ARN	ING	ουτα	OME	S TO I	PROG	RAM	ME		
	QUALI											NS						
		PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1	PQ11	PQ12	PQ1	PQ14	PQ15	PQ16	
		·							,		0			3				
ÖK1		5	4	4	3	4	1	1	1	1	1	0	0	0	0	0	0	
ÖK2		5	4	3	3	3	1	1	1	1	1	0	0	0	0	0	0	
ÖK3		4	3	4	3	4	1	1	1	1	1	0	0	0	0	0	0	

ÖK4	4	3	3	4	3	1	1	1	1	1	0	0	0	0	0	0
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	3 Medium			4 High			5 Very High				