PLANT BREEDING											
1	Course Title:	PLANT E	BREEDING								
2	Course Code:	TAR332	5-Z								
3	Type of Course:	Compuls	sory								
4	Level of Course:	First Cyc	le								
5	Year of Study:	3									
6	Semester:	6									
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 f	face								
14	Course Coordinator:	Prof. Dr.	KÖKSAL YAĞDI								
15	Course Lecturers:	Doç. Dr.	Esra AYDOĞAN ÇİFCİ								
16	Contact information of the Course Coordinator:	kyagdi@ Fakültes Görükle	uludag.edu.tr, 294 15 17 ,Uludağ Üniversitesi, Ziraat i, 16059, /Bursa								
17	Website:										
18	Objective of the Course:	To educa manufac capable	ate engineers who knows world specific standards and sturing techniques for species in seed activities and be of take-more advanced techniques								
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	To explain the concept of plant breeding								
		2	To explain the biology of fertilization in plants and to apply the opportunities for manipulation								
		3	To take advantage of incompatibility system								
		4	To apply the use of male sterility techniques in plant breeding								
		5	To use appropriate methods to develop new plant varieties in self-pollinated crops								
		6	To use appropriate methods to develop new plant varieties in cross-pollinated crops								
		7	Conduct studies of mutation								
		8	To explain the improvement of the new varieties by using gene technology								
		9									
		10									
21	Course Content:										
		Co	ourse Content:								
Week	Theoretical		Practice								
1	Definition, importance and history of breeding	plant									
2	Pollination and fertilization biology of	plants									

3	Allog	Allogame and autogame plants																	
4	Inco	mpat	ability	and b	penefi	ts of pl	ant br	eedin	g										
5	Туре	Types and genetic causes of male sterility																	
6	Sele	election breeeding																	
7	Com bulk	ibina and	tion b bulke	reedin d prog	g (Me jeny)	ethods (of ped	ligree	'										
8	Com seec	ibina d des	tion b cent,	reedin back o	g (me cross :	thods of and co	of sing nverg	gle ence)											
9	Cou	rse re	eview	-Midte	rm Ex	am													
10	Intro gene	ducti etic b	ion to asis	hybric	l bree	ding ar	nd the												
11	Appl	icatio	on of h	nybrid	breed	ling													
12	Intro	ducti	ion to	mutat	ion br	eeding													
13	Muta	ation	types	and th	heir u	se in pl	ant br	reedin	g										
14	Usao plant	ge po t bree	ossibil eding	ities o studie	f gene s	etic eng	gineer	ing in											
22	Textbooks, References and/or Other Materials:									-Bitki Islahı. Prof. Dr. H.R. EKİNGEN. Uludağ Üniversitesi Ders Notları.1988. -Breeding Field Crops. J.M. POEHLMAN.The Avı Publishing Company. Inc. Westport, Connecticut. A.B.d. 1985. -Plant Breeding System. A.V. RICHARDS. Department of Agricultural and Environmental Science. University of									
Activites									Numb	er		Dura	Duration (hour)			Total Work Load (hour)			
Theore	tical						R		•	14				2.00			28.00		
Practic	Practicals/Labs									0				0.00			0.00		
Self-stu	Self study and preperation									0.90				5.00			35.00		
Homew	vorks								(0				0.00			0.00		
Firge Et	sam						1		60	6000				0.00			0.00		
Field S	tudies	s								2				2.00			4.00		
Antrip	Matripytion of Term (Year) Learning Activities to									40100				25.00			25.00		
Others	hers									0			0.00			0.00			
Final E	xams						laue		00							30.00			
Total W	Fotal Work Load															122.00			
Maswerked angle yaluation Techniques Used in the									e						4	4.07			
ECTS Credit of the Course															4	4.00			
25				CON	TRIP			E I E			ουτα	OME			RVWI	MF			
20	QUALIFICATIONS																		
	I	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16		
ÖK1	Ę	5	5	5	5	5	5	1	4	0	0	0	0	0	0	0	0		
ÖK2	Ę	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0		
ÖK3	Ę	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0		
ÖK4	Ę	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0		

ÖK5	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0
ÖK6	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0
ÖK7	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0
ÖK8	5	5	5	5	5	4	4	5	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:			2 low			3 Medium			4 High			5 Very High				