	PL	ANT	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	cle						
5	Year of Study:	3							
6	Semester:	5							
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.	KÖKSAL YAĞDI						
15	Course Lecturers:	Doç. Dr.	Esra AYDOĞAN ÇİFCİ						
16	Contact information of the Course Coordinator:		uludag.edu.tr, 294 15 17 ,Uludağ Üniversitesi, Ziraat i, 16059, /Bursa						
17	Website:								
18	Objective of the Course:	To educate engineers who knows world specific standards and manufacturing techniques for species in seed activities and be capable 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 variet in cross-pollinated crops						
		7	Conduct studies of mutation						
		8	To explain the improvement of the new varieties by using gene technology						
		9							
	Course Containt	10							
21	Course Content:		Nurse Contents						
\\/acla	Theoretical	Co	ourse Content:						
vveek 1	Theoretical Definition, importance and history of	plant	Practice						
	breeding	ala d							
2	Pollination and fertilization biology of	plants							

3	Allogame and autogame plants				
4	Incompatability and benefits of plant	breeding			
5	Types and genetic causes of male st	erility			
6	Selection breeeding				
7	Combination breeding (Methods of p bulk and bulked progeny)	edigree,			
8	Combination breeding (methods of si seed descent, back cross and conve				
9	Course review-Midterm Exam				
10	Introduction to hybrid breeding and the genetic basis	ne			
11	Application of hybrid breeding				
12	Introduction to mutation breeding				
13	Mutation types and their use in plant	breeding			
14	Usage possibilities of genetic engine plant breeding studies	ering in			
Activit	Textbooks, References and/or Other Materials: tes		Ders Notları.' -Breeding Fie Publishing C 1985. -Plant Breedi Agricultural a	Prof. Dr. H.R. EKİNGEN. Uluc 1988. Eld Crops. J.M. POEHLMAN. ompany. Inc. Westport, Conn ing System. A.V. RICHARDS. and Environmental Science. Union TYNE LIK 1997 Duration (hour	The Avi ecticut. A.B.d. Department of Iniversity of
Theore	etical	R	14	2.00	28.00
Practical	als/Labs		0	0.00	0.00
Quiz stu	udy and preperation	0	0.90	5.00	35.00
Homew			0	0.00	0.00
Firal E	gam	1	60 ₀ 00	0.00	0.00
Field S	Studies		2	2.00	4.00
Montelle	Aution of Term (Year) Learning Activities	es to	40100	25.00	25.00
Others			0	0.00	0.00
Final E	oution of Final Exam to Success Grade Exams	9	80,00	30.00	30.00
	Vork Load				122.00
Masw	remate ango Eyaluation Techniques Us	sed in the			4.07
	Credit of the Course				4.00
25	CONTRIBUTION		RNING OU	TCOMES TO PROGRAI	MME

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	5	5	5	5	5	1	4	0	0	0	0	0	0	0	0
ÖK2	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0
ÖK3	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0
ÖK4	5	5	5	5	5	1	1	5	0	0	0	0	0	0	0	0

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