PLANT BREEDING TECHNIQUES

1	Course Title:	PLANT BREEDING TECHNIQUES
2	Course Code:	BYL0522
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	0
6	Semester:	0
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ŞULE ÖZTÜRK
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof. Dr. Şule ÖZTÜRK e-posta: ozturks@uludag.edu.tr 0.224.2941853 Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Görükle Kampüsü, 16059 Bursa
17	Website:	
18	Objective of the Course:	Learn the information on the cultivation and production of the plant to be. Learn the techniques of practical production.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

	1	Plant cultivation of learning objectives
	2	Identify the plant growing media
	3	Learn about the benefits of soil processing
	4	To understand the importance of water for the plant
	5	To understand the importance of fertilizer to the plant
	6	Find out why the plants produced
	7	To be informed about the methods of plant production
	8	Learn how to plant pests
	9	
	10	

21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	The purpose of the breeding of plant	
2	Identification of plant breeding environments	
3	Cultivation	
4	Irrigation types	
5	What is fertilization? Why is it done?	

6	The comparison of generative propagation techniques	
7	The comparison of vegetative propagation techniques	
8	What are plant pests and diseases?	
9	Plant diseases and pests	
10	What are the factors that affect plant growth?	
11	What are the factors that affect plant growth?	
12	What are the factors that affect plant growth?	
13	Edaphic factors	
14	Climatic factors	

| 22 | Textbooks, References and/or Other Materials: | M. BABAOĞLU, E. GÜREL & S. ÖZCAN, Bitki Biyoteknolojisi I. Doku Kültürü ve Uygulamaları, Selçuk Üniversitesi Yayını, 2001, (ISBN: 975-6652-04-7). L. KYTE, Plants from Test Tubes / An Introduction to Micropropagation, Timber Press, Portland, Oregon, 2001, (ISBN: 0-917304-50-0). J. H. DODDS & L. W. ROBERTS, Experiments in Plant Tissue Culture, Cambridge University Pres, 1999, (ISBN: 0-521-47892-8). H.T. HARTMAN, D.E. KESTER, F.T. DAVIES & Jr. R.L. GENEVE, Plant Propagation: Principle and Practices, Simon & Schuster / A Viacom Company Upper Saddle River, New Jersey, 1997, (ISBN: 0-13-261488-X). Y. Zir. Müh. Dr.S.Çelik BİTKİ YETİŞTİRME TEKNİĞİ, |

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	14.00	14.00
Others	0	0.00	0.00
Final Exams	1	20.00	20.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

23 Assesment

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Midterm Exam	1	40.00
Quiz	0	0.00
Home work project	0	0.00
Final Exam	1	60.00
Total	2	100.00

Contribution of Term (Year) Learning Activities to Success Grade 40,00

Contribution of Final Exam to Success Grade 60,00

Total 100,00

Measurement and Evaluation Techniques Used in the Course

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**

	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	2	0	3	0	0	0	0	0	0	0	2	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	1 very low	2 low	3 Medium	4 High	5 Very High