SELECTION BREEDING OF FRUIT SPECIES AND PARAMETERS OF SELECTION

1	Course Title:	SELECTION BREEDING OF FRUIT SPECIES AND PARAMETERS OF SELECTION
2	Course Code:	BAB5041
3	Type of Course:	Optional
4	Level of Course:	Second 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 face
14	Course Coordinator:	Prof. Dr. CEVRİYE MERT
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof.Dr. Cevriye Mert Bursa Uludağ Üniversitesi, Ziraat Fakültesi, Bahçe Bitkileri Bölümü B Blok 16059, Görükle Kampüsü BURSA Tel: 0 224 2941542 e-posta: cevmert@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To teach the importance and basic rules of selection breeding and breeding of fruit species by selection
19	Contribution of the Course to Professional Development:	Gains detailed information about selection breeding of fruit species and parameters of selection. Students apply the knowledge learned in this course in their professional life.
20	Learning Outcomes:	

	1	Learns the objectives and the important of the selection breeding for fruit species
	2	Learns the selection characteristics for fruit species
	3	Learns improve the new cultivars by selection
	4	Learns genetic variability and preservation
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21	Course Content:	

Course Content:	

Week	Theoretical	Practice
1	The definition, important and advantages of selection breeding	

2	Biodiversity in the world and Turkey and the origine of fruit species	
3	Genetic variability, genetic resources, collection and preservation,the agronomic and genetic characterization of genetic resource	
4	The determination of selection objectives and characteristics,the genotype selection for evaluation in population	
5	Taking the fruit samples,the determination of physical and chemical properties of fruit samples,the methods of measures	
6	The determination of morphological and phenological properties of trees	
7	The evaluation of characteristics according to weighted ranked method	
8	The determination, propagation and adaptation of promising genotypes and release it for commercial production	
9	The selection works in nut fruits in Turkey and breeding characteristics	
10	The selection works in nut fruits in Turkey and breeding characteristics	
11	The selection works in stone fruits in Turkey and breeding characteristics	
12	The selection works in pome fruits in Turkey and breeding characteristics	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	3.00	42.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	3.00	42.00
Homeworks	2	24.00	48.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	50.00	50.00
Total Work Load			182.00
Total work load/ 30 hr			6.07
ECTS Credit of the Course			6.00

23 Assesment

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Quiz	0

Final Exam	1

Contribution of Term (Year) Learning Activities to Success Grade	50.00
Contribution of Final Exam to Success Grade	50.00
Total	100.00
Measurement and Evaluation Techniques Used in the Course	Homework and Final Exam

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	4	3	3	3	2	3	2	3	1	2	0	0	0	0	0	0
ÖK2	4	4	3	3	2	2	4	1	1	3	0	0	0	0	0	0

ÖK3	5	4	4	5	3	5	4	3	1	3	0	0	0	0	0	0
ÖK4	5	1	2	3	2	2	2	1	1	4	0	0	0	0	0	0

<div align="center">LO: Learning Objectives   PQ: Program Qualifications</div>

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