

SEED SCIENCE AND TECHNOLOGY

1	Course Title:	SEED SCIENCE AND TECHNOLOGY	
2	Course Code:	PSBS430	
3	Type of Course:	Optional	
4	Level of Course:	Short Cycle	
5	Year of Study:	2	
6	Semester:	4	
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:	English	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Dr. Öğr. Üyesi PAKİZE ÖZLEM KURT POLAT	
15	Course Lecturers:	Meslek Yüksekokulları Yönetim Kurullarının görevlendirdiği öğretim elemanları.	
16	Contact information of the Course Coordinator:	Dr. Öğr. Üyesi P. Özlem KURT ozlemkurt@uludag.edu.tr BUÜ Teknik Bil. MYO	
17	Website:		
18	Objective of the Course:	Seed, which is the genetic production material; In addition to teaching physiology, technology and the basic principles of seed production, it also aims to teach the legal regulations within the framework of seed and the importance of seeds in protecting genetic resources.	
19	Contribution of the Course to Professional Development:	Provides general information about seed production techniques.	
20	Learning Outcomes:		
		1	Introduction of seeds
		2	Vegetative and generative production techniques
		3	Explaining Seed parts
		4	Dormansi
		5	Seeds germination test
		6	Hybrid seed
		7	Genetic Resources
		8	Standards for propagation, collection and storage of seeds
		9	Seed production and distribution
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21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Seed production data in Türkiye and the world		
2	Meaning of seedling		

3	Seed biology and morphology	
4	The importance of using seeds as a genetic source	
5	Vegetative and generative production methods	
6	Dormancy in seeds	
7	Dormancy in seedling	
8	Germination tests	
9	Evaluation of the results of viability tests applied to seeds	
10	Different types of seeds	
11	The importance of seeds in protecting national genetic resources.	
12	Seed production and collection techniques	
13	Storage of seeds	
14	Seed production and distribution	

22	Textbooks, References and/or Other Materials:	Seed Technology. Prof. Dr. Sezen SEHİRALİ. Trakya Üniversitesi. 1998.
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23	Assesment	
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	2	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preparation	12	2.00	24.00
Homeworks	12	2.00	24.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Online exams	1	4.00	4.00
Others	0	0.00	0.00
Final Exams	1	3.00	3.00
Total Work Load			83.00
Total work load/ 30 hr			2.77
ECTS Credit of the Course			3.00

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	4	4	5	4	4	3	3	3	4	0	0	0	0
ÖK2	3	3	3	4	4	4	5	5	3	5	3	4	0	0	0	0
ÖK3	4	5	5	4	3	3	4	5	4	4	4	4	0	0	0	0
ÖK4	4	4	3	3	4	4	3	4	3	3	3	4	0	0	0	0

ÖK5	4	3	4	4	3	3	4	5	5	3	4	4	0	0	0	0
ÖK6	3	3	4	3	3	5	5	3	3	4	4	3	0	0	0	0
ÖK7	3	5	4	4	3	3	4	3	4	3	3	3	0	0	0	0
ÖK8	5	4	3	3	4	4	4	3	3	3	4	4	0	0	0	0
ÖK9	4	4	4	3	5	3	5	5	3	4	4	3	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			