SEED PHYSIOLOGY IN HORTICULTURE										
1	Course Title:	SEED P	HYSIOLOGY IN HORTICULTURE							
2	Course Code:	BAB501	1							
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 f	ace							
14	Course Coordinator:	Prof. Dr.	H. Özkan SİVRİTEPE							
15	Course Lecturers:									
16	Contact information of the Course Coordinator:	Department of Horticulture Faculty of Agriculture Uludag University Görükle Campus Bursa 16059 Phone: +90-224-2941474 E-mail: ozkan@uludag.edu.tr								
17	Website:									
18	Objective of the Course:	To convey the principles of seed physiology in horticulture to the students, considering recent developments in the literature.								
19	Contribution of the Course to Professional Development:									
20	Learning Outcomes:									
		1	To understand the development and maturity of the seed							
		2	To explain the physical structure and chemical composition of seeds							
		3	To interpret seed storage and the effects of storage environment on seed longevity							
		4	To discuss the physiology of seed ageing							
		5	To analyse the mechanism of seed dormancy							
		6	To discuss the factors affecting germination and the metabolism of germinating seeds							
		7	To compare the concepts of viability and vigour of the seeds							
		8	To produce solutions to any possible problem to be encountered related to seed physiology in horticulture							
		9								
		10								
21	Course Content:									
		Co	ourse Content:							
Week	Theoretical		Practice							
1	Giving Information about the Course Sharing the Seminar Topics	e and								

2	Seed Development and Maturity									
3	Physical Structures of Seeds									
4	Chemical Composition of Seeds									
5	Storage of Seeds and the Effect of Storage Environment on Se Longevity	ed								
6	Physiology of Seed Ageing-1									
7	Physiology of Seed Ageing-2									
8	Seed Dormancy-1									
9	Seed Dormancy-2									
10	Factors Affecting Germination									
11	Metabolism of Germinating Seeds									
12	Seed Viability									
13	Seed Vigour									
14	General Review of the Course									
22	Textbooks, References and/or Other Materials:		<ul> <li>Basra, A.S. 1995. Seed Quality: Basic Mechanism and Agricultural Implications. The Haworth Press Inc., New York, USA. 389 p.</li> <li>Basra, A.S. 2006. Handbook of Seed Science and Technology. Food Products Press, New York, USA. 795 p.</li> </ul>							
Activit	es		•	Number	Duration (hour)	Total Work Load (hour)				
Theore	tical		В	aðk, M. and Bewley, J	₿.02000. Seed Tec	dHardology and its				
Practic	als/Labs			0	0.00	0.00				
Self stu	dy and preperation			12	3.00	36.00				
Homew	vorks			2	20.00	40.00				
Project	8		Ρ	utolishers, Massachuse	s, Massachuse <b>t) 300</b> SA. 467 p. 0.00					
Field S	tudies			0	0.00	0.00				
Midtern	n exams		P	rocessing, and Storage	2.10 arcel Dekker In	c₂.@Moew York,				
Others			-	30.00 60.00						
Final E	kams		D T	Dayode, S.D. 2001. Seed Storage of Hortic International Crop						
Total W	Vork Load					182.00				
Total w	ork load/ 30 hr FARNING ACTIVITIES	NUMBE	w	FIGHT		6.07				
ECTS (	Credit of the Course	1	2	0.00		6.00				
		0	0.00							
Home	Nork-project	2	20.00							
Final F	xam	1	6	60.00						
Total	Adm	4	100.00							
Contrib Succes	oution of Term (Year) Learning Activitiess Grade	es to	40.00							
Contrib	ution of Final Exam to Success Grade	Э	60.00							
Total			1(	100.00						
Measu Course	rement and Evaluation Techniques Us	sed in the								
24 ECTS / WORK LOAD TABLE										

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	2	2	4	1	4	1	5	1	1	3	0	0	0	0	0	0
ÖK2	2	2	4	1	4	1	5	1	1	3	0	0	0	0	0	0
ÖK3	1	5	5	1	5	1	5	1	1	3	0	0	0	0	0	0
ÖK4	1	3	1	1	1	1	5	1	1	3	0	0	0	0	0	0
ÖK5	2	5	5	1	4	1	3	1	1	3	0	0	0	0	0	0
ÖK6	1	1	1	1	5	1	4	5	1	3	0	0	0	0	0	0
ÖK7	1	2	2	1	1	1	3	2	1	3	0	0	0	0	0	0
ÖK8	1	2	2	1	1	1	3	2	1	3	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib ution Level:	1 very low 2 lov			2 low		3 Medium			4 High			5 Very High				