



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Seed Technology							
Course Code		ORT212		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	2	Workload	50 (Hours)	Theory	2	Practice	0	Laboratory	0
Objectives of the Course		The aim of this lesson is to teach the meaning and importance of seed, to understand the differences in vegetative and generative seed, to teach seed production rules at some important field crops, seed technology (Drying-Processing-Packaging)							
Course Content		The meaning and importance of seed concepts, vegetative seed materials, agronomic processes in seed production, seed production rules in some field crops (industrial plant-cereals-legumes-forage plants), general procedures and principles of seed technology							
Work Placement		Students have made their compulsory internship at II and IV semester for 30 days							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)		Assoc. Prof. İlkay YAVAŞ							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading

1	Sagsoz, S., 1995. Seed Science. Ataturk Univ. Yay. No: 677. 299p.
2	Avcioglu, R., Soya, H., 2005. Seed Production Techniques. Seed Science and Technology. I: 217-295. TOTEM. N:3, Bornova-İzmir

Week	Weekly Detailed Course Contents	
1	Theoretical	Generative and vegetative reproduction
2	Theoretical	Climate factors of seed production
3	Theoretical	Ecological principles of seed production (soil, altitude, gradient, vector, insects)
4	Theoretical	Agronomic processes (protection, isolation, seed bed preparation, seed and inoculation)
5	Theoretical	Sowing and weed control
6	Theoretical	Fertilization, irrigation, pollination
7	Theoretical	Disease and pest control, harvest and thrashing
8	Theoretical	Disease and pest control, harvest and thrashing
9	Theoretical	Seed production principals of industrial crops (sunflower, peanut, cotton, sesame, hemp, sugar beet, tobacco, potatoes)
10	Theoretical	Seed production principals of warm and cool climate cereals.
11	Theoretical	Seed production principals of legumes
12	Theoretical	Storage of seeds
13	Theoretical	Processing techniques of seeds (drying, cleaning)
14	Theoretical	Coating, delintation, packaging
15	Theoretical	General evaluation
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Midterm Examination	1	10	1	11
Final Examination	1	10	1	11
Total Workload (Hours)				50
[Total Workload (Hours) / 25*] = ECTS				2

*25 hour workload is accepted as 1 ECTS



Learning Outcomes

1	To be able to recognize the concept and importance of seed,
2	To be able to identify vegetative and generative plant production technics,
3	To be able to comprehend the differences of seed production process in cultivated crops,
4	To be able to comprehend and use the technology to perform the processes of seed drying, processing and packaging,
5	To be able to identify the potential for seed production of field crops in the basis of regions.

Programme Outcomes (Organic Agriculture)

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Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P6	3	3	3	3	3
P8	4	4	4	4	4
P11	3	3	3	3	3

