



AYDIN ADNAN MENDERES UNIVERSITY
GRADUATE SCHOOL OF NATURAL AND APPLIED SCIENCES
FIELD CROPS
FIELD CROPS
FIELD CROPS MASTER
COURSE INFORMATION FORM

Course Title	Seed Production Technic and Certification of Field Crops								
Course Code	ZTB506	Course Level		Second Cycle (Master's Degree)					
ECTS Credit	8	Workload	195 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	The situation of seed production in Turkey, the introduction to seed production, seed ecology and cultivation of field crops, the introduction to the kind of seed control and certification, registration and seed certification and seed legislation								
Course Content	The importance of seed and seed state of our country, the basic principles of seed production in field crops, seed control and certifications of field and laboratory control, seed processing and storage, seed rules and regulations of international seed trade.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion, Project Based Study, Individual Study								
Name of Lecturer(s)									

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading

1	1. Şehirli, S., 1997. Tohumluk ve Teknolojisi
2	1. Ed. Eser, B., Saygılı, H., Gökçöl, A., İlker, E., 2005. Tohum Bilimi ve Teknolojisi Cilt I
3	3. Vaughan, C.H., Gregg, B.R., Delouche, J.C., 1968. Seed Processing and Handling
4	4. Ed. Abay, C., Gökçöl, A., İlker, E., Türkekel, B., Gümüş., M., 2002. Türkiye I. Tohumculuk Kongresi
5	5. Farklı kaynaklardan derlenmiş sunumlar ve ders notları, internet kaynakları

Week	Weekly Detailed Course Contents	
1	Theoretical	The importance of seed and situation of seed production in Turkey
	Preparation Work	Literature review
2	Theoretical	The basic principles of seed production
	Preparation Work	Literature review
3	Theoretical	Seed production of cereals and grain legumes
	Preparation Work	Literature review
4	Theoretical	Seed production of industrial crops
	Preparation Work	Literature review
5	Theoretical	Seed production of forage crops
	Preparation Work	Literature review
6	Theoretical	Field inspections of seed control and certification
	Preparation Work	Literature review
7	Theoretical	Laboratories studies for seed control and certification
	Preparation Work	Literature review
8	Intermediate Exam	Midterm exam
9	Theoretical	Seed processing and storage
	Preparation Work	Literature review
10	Theoretical	The basic principles of seed trade
	Preparation Work	Literature review
11	Preparation Work	Literature review
12	Preparation Work	Literature review
13	Theoretical	Seed legislation



13	Preparation Work	Literature review
14	Theoretical	Variety registration and seed certification
	Preparation Work	Literature review
15	Theoretical	Term project presentations
	Preparation Work	Literature review
16	Final Exam	Final Exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	2	2	56
Lecture - Practice	14	2	2	56
Assignment	2	10	1	22
Laboratory	2	5	1	12
Land Work	4	2	1	12
Midterm Examination	1	15	1	16
Final Examination	1	20	1	21
Total Workload (Hours)				195
[Total Workload (Hours) / 25*] = ECTS				8

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	To be able to comprehend the importance of the principles of seed production
2	To be able to explain the stages of seed control and certification
3	To be able to comprehend and apply the practice of seed processing and storage processes
4	To be able to explain seed trade and international rules and practices
5	To be able to follow the developments related to legislation of seed

Programme Outcomes (Field Crops Master)

1	To be able to improve and deepen the level of expertise in field crops on the basis of the departments licenses qualifications.
2	To be able to recognize the subjects related to field crops, to be able to solve these and make interpretation.
3	To be able to have the skills of acting independently, to have power to decide and to create.
4	To be able to work in teams between departments
5	To be able to give briefing about latest information of Field Crops in written, oral and visual ways.
6	To be able to take responsibility for developing the new approaches and to formulate a solution facing unforeseen complex situations of applications,
7	To be able to defend the original opinions in both Turkish and in foreign languages by using these languages and communicating effectively.
8	To be able to contribute to science by producing knowledge for the aim of improving quality, efficiency and sustainability
9	To be able to apply breeding methods in order to improve new varieties for Field Crops.
10	To be able to maintain and select the appropriate statistical methods within the framework of the study, evaluation of scientific ethics; to convert the results into a report/dissertation and to offer them by producing scientific publications.

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

	L1	L2	L3	L4	L5
P1	5	5	5	5	5
P2	5	5	5	5	5
P3	5	4	5	4	5
P4	4	5	5	5	5
P5	3	3	3	3	5
P6	5	4	4	5	5
P7	4	4	4	4	4
P8	4	4	4	4	4
P9	5	5	3	5	4
P10	3	3	4	3	3

