



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Field Crops							
Course Code		TRİ112		Course Level		Short Cycle (Associate's Degree)			
ECTS Credit	4	Workload	100 (<i>Hours</i>)	Theory	2	Practice	1	Laboratory	0
Objectives of the Course		In plant production, to introduce the general principles of "Field Agriculture" , to recognize Industrial crops, cereals, legumes, the plants in the group of Tobacco, drug and Spice Crops and in the group of forage crops .							
Course Content		Crop farming systems, Classification of field crops, Climate and soil requirements, Field crops (soil cultivation, planting, maintenance, harvesting, crop rotation). Industrial crops, cereals, legumes, Tobacco, drug and spice crops group and growing of forage crops							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Case Study, Individual Study, Problem Solving					
Name of Lecturer(s)									

Assessment Methods and Criteria

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

Recommended or Required Reading

1	Ceylan, A., 1994. Field Crop Cultivation. Ege University, Faculty of Agriculture, Department of Field Crops.
2	Septioğlu, H., 2006. Field Crops I. Ege University, Faculty of Agriculture, Department of Field Crops.
3	Industrial Crops (Fiber Crops growing) (Prof. Dr. Erol Günel)
4	Forage Crops Agriculture (M. S. Gençkan),
5	Legume Forage Crops, Forage Crops of Cereals, (Prof Dr. Y.Serin, Doç Dr. M. Tan),
6	Cereals Practice Guide (Prof. Dr. Y. Serin, Doç.Dr. A. Gökkuş)
7	Forage Plants (Prof Dr. H. Soya, Prof. Dr. R. Avcıoğlu, Araş. Gr. H. Geren)

Week	Weekly Detailed Course Contents	
1	Theoretical	Crop farming systems Classification of field crops.
2	Theoretical	Adaptation of field crops, (climate and soil requirements).
3	Theoretical	Growing of field crops, Tillage,planting, maintenance, fertilization, weed control, harvesting and crop rotation.
4	Theoretical	Cereals adaptation, climate and soil requirements, classification, Economical importance, Development stages of cereals.
5	Theoretical	Wheat and economical importance, taxonomy, cultivation. Egypt and economical importance, taxonomy, cultivation. Rice and economical importance, taxonomy, cultivation. Millet and economical importance, taxonomy, cultivation.
6	Theoretical	General Description of Fiber Crops, Date of cotton development, Systematics and distribution, Production, importance and utilization patterns; Cultivation techniques; Crop rotation, harvesting and storage.
7	Theoretical	Linen Production, Importance and utilization patterns, Farming techniques, Crop rotation, Harvesting and storage.
8	Preparation Work	Repetition of the topics covered in the exam preparation.
	Intermediate Exam	Mid-term exam.
9	Theoretical	General description of oil crops, Sesame and sunflower production, Importance and utilization patterns, cultivation techniques, Crop rotation, Harvesting and storage.
10	Theoretical	Soybean and poppy production, Importance and utilization patterns, Farming techniques, Crop rotation, harvesting and storage.



11	Theoretical	Groundnut and rapeseed production, importance and utilization patterns, Farming techniques, Crop rotation, harvesting and storage.
12	Theoretical	Forage crops and classification of the situation in Turkey with the world.
13	Theoretical	Classification and types of legumes.
14	Theoretical	Edible legumes, and the importance of adaptation. Economic and the supply high-value grain legumes.
15	Theoretical	Growing of edible grain legumes.
16	Preparation Work	The repetition of all the issues, preparation for the exam.
	Final Exam	Final exam.

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	1	14
Reading	17	1	1	34
Midterm Examination	1	11	1	12
Final Examination	1	11	1	12
Total Workload (Hours)				100
[Total Workload (Hours) / 25*] = ECTS				4

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	Role and importance of agriculture field.
2	To be able to determine the important role of Turkey in world cereal farming.
3	Cereal farming in human essential for the warm climate of the fact that the emergence of an occupation,
4	Warm climate cereals, maize, rice and sorghum event in the world of human and animal nutrition.
5	The importance of industrial crops.
6	Industrial plants in different branches of industry to supply the raw materials.
7	Cereals and legumes directly derived products as raw materials or finished product can be used in human nutrition,
8	To be able to comprehend the utility value of Tobacco, drugs, and spice crops and the importance of economical.
9	To be able to comprehend the importance of the culture of forage crops in terms of agriculture and the environment.

Programme Outcomes (Agricultural Management)

1	To be able to comprehend the basic management, economy and agricultural management
2	To be able to acquire basic information in excessive, profitable and quality production of vegetable and animal products
3	To be able to manage production in factory, to prepare project and to keep business records
4	To be able to develop solutions in agricultural management
5	To be able to comprehend optimally preparation and marketing in agricultural foods process
6	To be able to follow professional developments and to acquire knowledge to use technological resources
7	To be able to reach the scientific data using computer and the internet
8	To be able to determine the problem about agricultural management, to analyze, to develop solutions and suggestions
9	To be able to comprehend Atatürk Principle and Revolution
10	To be able to take precautions about the problems related to first aid and occupational safety in the enterprise, to solve the problems
11	To be able to use Turkish well, to communicate orally and in writing, to have knowledge of professional ethics and responsibility

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

	L1	L2	L3	L4	L5	L6	L7	L8	L9
P1	5	5	5	5	5	5	5	5	5
P2		5	5	5	5	5	5	5	5
P4		4	5	5	4	4	4	4	5
P5	4	4	4	4	4	4	4	4	4
P7									3
P8			4	4	4	4	4	4	4
P10					3	3	3	3	3

