



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Edible Legumes							
Course Code		TB306		Couse Level		First Cycle (Bachelor's Degree)			
ECTS Credit	3	Workload	75 (Hours)	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		To gain professional knowledge about seed production of beans, chickpeas, lentils, broad beans, peas, and kidney beans located in Food legumes.							
Course Content		Economic importance of Food Legumes in the world and our country, their importance in nutrition and crop rotation, nitrogen fixation in legumes, their taxonomy and plant characteristics, and growing.							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Project Based Study, Individual Study, Problem Solving					
Name of Lecturer(s)		Lec. Feride ÖNCAN SÜMER							

Assessment Methods and Criteria

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

Recommended or Required Reading

1	1. Şehirli, S. 1988. Yemeklik Dane Baklagiller. A.Ü. Ziraat Fakültesi Yayınları Yayın No: 1089. Ankara
2	2. Sepetoğlu, H. 1994. Yemeklik Dane Baklagiller. E.Ü. Ziraat Fakültesi Yayınları Ders Notları No:24

Week	Weekly Detailed Course Contents	
1	Theoretical	Production and taxonomy of Food Legumes
	Practice	introduction of varieties
2	Theoretical	Importance of Food Legumes in Crop Rotation
	Practice	introduction of varieties
3	Theoretical	Origin, geographical distribution and plant structure of field bean
	Practice	literatür review
4	Theoretical	Field bean culture
	Practice	literatüre review
5	Theoretical	Origin, geographical distribution and plant structure of chickpea
	Practice	soil preparation
6	Theoretical	Chickpea culture
	Practice	soil preparation
7	Theoretical	Origin, geographical distribution and plant structure of lentil
	Practice	presentation of instrument equipment
8	Intermediate Exam	Midterm exam
9	Theoretical	Lentil culture
	Practice	introduction of varieties
10	Theoretical	Origin, geographical distribution and plant structure of pea
	Practice	introduction of varieties
11	Theoretical	Pea culture
	Practice	survey in the collection garden
12	Theoretical	Origin, geographical distribution and plant structure of broad bean
	Practice	survey in the collection garden
13	Theoretical	Broad bean culture
	Practice	survey in the collection garden
14	Theoretical	Origin, geographical distribution and plant structure of kidneybean
	Practice	literature review
15	Theoretical	Kidneybean culture



15	Practice	literature review
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	0	2	28
Lecture - Practice	14	0	2	28
Midterm Examination	1	7	2	9
Final Examination	1	8	2	10
Total Workload (Hours)				75
[Total Workload (Hours) / 25*] = ECTS				3

*25 hour workload is accepted as 1 ECTS

Learning Outcomes

1	. To be able to have information about plant characteristics, production projections of Food Legumes in the world and in our country
2	To be able to apply sustainable agriculture on Food Legumes and to understand the cultivation of these crops
3	To be able to use Interdisciplinary work and analytical thinking to solve problems that arise in agriculture of Food Legumes
4	To be able to use modern techniques in agriculture of Food Legumes
5	To be able to have sufficient knowledge about improving the yield and the quality of Food Legumes and to use initiative.

Programme Outcomes (Agricultural Biotechnology)

1	To be able to develop skills in identifying, modeling and solving problems in agricultural biotechnology
2	To be able to synthesize life and engineering sciences for the effective resource planning of agricultural biotechnology applications
3	To be able to interpret about living organisms structure, metabolic and physiological processes in order to propose biotechnological solutions to the agricultural problems
4	To be able to analyze genomic, metabolomic and proteomic information via bioinformatic tools.
5	To have the ability to analyze collected data and interpret the results.
6	To have the ability of individual working ability and to make independent decisions, to work in inter-disciplinary and interdisciplinary teamwork, to communicate by expressing their ideas orally and in writing, clearly and concisely
7	To have the awareness of professional liabilities and ethics
8	To be able to follow current national and international problems

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	4	3	4	5
P2	4	4	3	3	4
P3	4	3	4	4	4
P4	3	3	5	3	3
P5	3	3	5	4	4
P6	3	4	4	4	3
P7	5	5	3	4	4
P8	4	5	3	4	3

