AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Field Crops Growing								
Course Code	TB223		Couse Level	First Cycle (Bachelor's Degree)					
ECTS Credit	4	Workload	100 *(Hours)*	Theory	2	Practice	2	Laboratory	0
Objectives of the Course	To learn the field farming systems, general growing principles and morphological characteristics of plants in field crops								
Course Content	Field farming systems, classifications of field crops, growing and morphological characteristics of cereals, food legumes, industrial crops and forage crops								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Case Study								
Name of Lecturer(s)	Prof. Aydın ÜNAY, Prof. Mustafa Ali KAYNAK, Prof. Olcay ARABACI, Prof. Öner CANAVAR								

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	70

Recommended or Required Reading	
1	Sepetoğlu,H., 2009. Tarla bitkileri I, Ege Ün. Ziraat Fakültesi Yayın No:569.
2	Gençer,O.,1995.Genel Tarla Bitkileri.Çukurova Ün. Ziraat Fakültesi Ders Kitabı, No:42.
3	Elçi, Ş.,Kolsarıcı, Ö., Geçit, H.H., 1987. Tarla Bitkileri. Ankara Ün. Ziraat Fakültesi Yayınları, No:1008

Week	Weekly Detailed Course Contents	
1	Theoretical	Importance and classifications of field crops
	Practice	literature review
2	Theoretical	Field farming systems
	Practice	literature review
3	Theoretical	Importance and morphological characteristics of cereals
	Practice	survey in the collection garden
4	Theoretical	Growing of cereals (wheat, barley, rye, oats, triticale)
	Practice	survey in the collection garden
5	Theoretical	Growing of cereals (corn, rice, millets)
	Practice	survey in the collection garden
6	Theoretical	Importance and morphological characteristics of food legumes
	Practice	survey in the collection garden
7	Theoretical	Growing of food legumes
	Practice	survey in the collection garden
8	Intermediate Exam	midterm exam
9	Theoretical	Importance , morphological characteristics and growing of fiber crops
	Practice	survey in the collection garden
10	Theoretical	Importance , morphological characteristics and growing of oil crops
	Practice	survey in the collection garden
11	Theoretical	Importance , morphological characteristics and growing of starch-sugar crops
	Practice	survey in the collection garden
12	Theoretical	Importance , morphological characteristics and growing of stimulant crops
	Practice	survey in the collection garden
13	Theoretical	Importance , morphological characteristics and growing of medical crops
	Practice	survey in the collection garden
14	Theoretical	Importance , morphological characteristics and growing of forage crops
	Practice	survey in the collection garden
15	Theoretical	Importance of meadows and pastures

15	Practice	literature review
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Lecture - Practice	14	1	1	28
Midterm Examination	1	12	2	14
Final Examination	1	28	2	30
			Total Workload (Hours)	100
			[Total Workload (Hours) / 25*] = **ECTS**	4
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	Understanding the importance of field crops in crop production
2	Knowing of field crops
3	Having basic knowledge about the morphological characteristics of field crops and breeding techniques
4	To be able to think about the problems arising in agriculture and to propose solution
5	To be able to demonstrate the production potential of field crops on a national basis

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	3	4	2	3	4
P2	2	3	3	2	3
P3	2	3	2	2	3
P4	3	3	2	3	3
P5	5	3	3	4	2
P6	4	4	3	4	3
P7	3	4	3	3	4
P8	3	4	5	5	4