

WEEDS AND THEIR CONTROL

1	Course Title:	WEEDS AND THEIR CONTROL
2	Course Code:	BTK3602-Z
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	3
6	Semester:	6
7	ECTS Credits Allocated:	3.00
8	Theoretical (hour/week):	2.00
9	Practice (hour/week):	0.00
10	Laboratory (hour/week):	0
11	Prerequisites:	None
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. ÜMİT ARSLAN
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	Prof. Dr. Ümit ARSLAN E-posta: uarslan@uludag.edu.tr
17	Website:	
18	Objective of the Course:	To give information about the basis of herbology science, the biological characteristics of weeds, their relations with environmental factors, methods of weed control, general characteristics of herbicides, classification and behaviors of herbicides.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To learn the general information about herbology science
	2	To know the economic significance, direct and indirect effects, socio- economic impact of weeds
	3	To know the damages of weeds from cultivated plant
	4	To know the development stages of weeds
	5	To learn the reproduction and dissemination of weeds
	6	To learn the biology of some weed
	7	To learn and use different control methods for weed control theoretically and practically
	8	To know the uptake and translocation of herbicides
	9	To know the classification of herbicides according to their chemical structure
	10	Herbicide registered in Turkey
21	Course Content:	
	Course Content:	
Week	Theoretical	Practice
1	Introduction to herbology, history, definition of basic concepts, differences between wild herb and weed.	

2	Weeds in the systematic and taxonomic terminology	
3	General biological principles, generative reproduction in the weeds, seed development, germination, internal and external factors of dormancy	
4	The number of seeds formed by weeds, seed bank in the soil, life and distribution of seeds	
5	Weeds in the vegetative reproduction, underground and aboveground reproductive organs	
6	Apical dominance and vegetative propagation	
7	Development stages of grass and broad leaved weeds	
8	Repeating courses and midterm exam	
9	Weed ecology, biotic and abiotic factors	
10	Allelopathy in agricultural ecosystems	
11	Population dynamics of weeds	
12	Selectivity of herbicides (role of the plant, role of the herbicides, environment factors)	
13	The mode of action of herbicides	
14	Methods of weed control (cultural measures, mechanical, biological, and chemical control)	

22	Textbooks, References and/or Other	Günçan, A. 2013. Yabancı Otlar ve Mücadele Prensinleri		
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation		5	6.00	30.00
Homeworks		0	0.00	0.00
Projects		0	0.00	0.00
Quiz		0	0.00	0.00
Field Studies		0	0.00	0.00
Midterm exams		1	10.00	10.00
Final Exam		1	15.00	15.00
Others		0	0.00	0.00
Final Exams		1	15.00	15.00
Contribution of Term (Year) Learning Activities to		40.00		
Total Work Load				93.00
Total work load /30 h				2.77
Contribution of Final Exam to Success Grade		60.00		
ECTS Credit of the Course				3.00

Measurement and Evaluation Techniques Used in the Course		
----------------------------------------------------------	--	--

24 ECTS / WORK LOAD TABLE

25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS															
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ10	PQ11	PQ12	PQ13	PQ14	PQ15	PQ16
ÖK1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0

ÖK4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK5	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			