

WINTER CEREALS

1	Course Title:	WINTER CEREALS
2	Course Code:	TAR4305-Z
3	Type of Course:	Compulsory
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	7
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.00
9	Practice (hour/week):	2.00
10	Laboratory (hour/week):	0
11	Prerequisites:	-----
12	Language:	Turkish
13	Mode of Delivery:	Face to face
14	Course Coordinator:	Prof. Dr. RAMAZAN DOĞAN
15	Course Lecturers:	-----
16	Contact information of the Course Coordinator:	e-posta: rdogan@uludag.edu.tr Telefon: 0 224 29 415 21 Adres: Bursa Uludağ Üniversitesi Ziraat Fakültesi Tarla Bitkileri Bölümü
17	Website:	-----
18	Objective of the Course:	The aim of this course is to make the students identify the economical importance, adaptation, morphology, standardization, storage, diseases and pests of cereals.
19	Contribution of the Course to Professional Development:	With the lesson; Will be able to comprehend that cool climate grains are a very important plant group as they are indispensable basic food sources throughout our lives, even though they do not bring much income both in the world and in our country, Cool season crops in terms of the kind that can understand the importance of Turkey and the world, Have knowledge about Morphology and Physiology of cool climate cereal varieties, and also summarize general information about standardization and storage, Will gain the ability to offer solutions to the problems encountered in the cultivation of Serin Climate cereals.
20	Learning Outcomes:	
	1	To identify the important cereals for Turkey
	2	To understand the importance of cereals for Turkey and World.
	3	To know genus and species of especially cold climate cereals according to morphologic characteristics.
	4	To get information about cold climate cereal's grain "Caryopsis"
	5	To understand importance of environmental conditions in cold climate cereal cultivation
	6	To know soil and climatic requirements for important cereals in Turkey
	7	To get information about standardization and quality of cold climate cereals
	8	To get information about storage principles under suitable conditions of cold climate cereals.

		9	To get information about control of pests and diseases with cultivation of cold climate cereal		
		10			
21	Course Content:				
	Course Content:				
Week	Theoretical		Practice		
1	The importance of cold climate cereals in the World and Turkey and common information about cereals		Common information about practice		
2	Adaptation, temperature, moisture and soil requirements of cold climate cereals		Common information about cold climate cereals		
3	Cold climate cereal's morphology, physiology and structure of grain		Structure of cereal grain		
4	Above-ground organs, tillering and root system of cold climate cereals		Root structure and tillering of cereal		
5	Flower, flowering, fertilization and stage of maturation of cold climate cereals.		Differences from each other cereals		
6	Harvest depending on stages of maturation		Examination of cereal's spikes		
7	Repeating courses and midterm exam		General practice		
8	Standardization and quality factors of cold climate cereals		To identify cereals depending on spike and grains		
9	Storage and storage principles of cool season cereals		Cool season cereals varieties grown in Turkey		
10	The Agronomy of Wheat		Bread Wheat(<i>Triticum aestivum</i> L.)		
Activites			Number	Duration (hour)	Total Work Load (hour)
13	The Agronomy of Oat		14	1.00	14.00
14	The Agronomy of Rye and Triticale		14	2.00	28.00
Practicals/Labs			14	2.00	28.00
22	Self study, Handbooks, References and/or Other		1	0.00	0.00
Homeworks			0	0.00	0.00
Projects			2	0.00	0.00
Field Studies			0	0.00	0.00
Midterm exams			1	5.00	5.00
23	Assesment		1	10.00	10.00
Others			1	10.00	10.00
Final Exams		R	1	10.00	10.00
Total Work Load					67.00
Quiz			0	0.00	0.00
Total work load/ 30 hr					2.23
ECTS Credit of the Course					2.00
Final Exam		1	60.00		
Total		2	100.00		
Contribution of Term (Year) Learning Activities to Success Grade			40.00		
Contribution of Final Exam to Success Grade			60.00		
Total			100.00		
Measurement and Evaluation Techniques Used in the Course			Bursa Uludağ University is evaluated according to the principles of the Associate Degree and Undergraduate Education Regulation.		
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	5	4	4	3	4	5	3	4	0	0	0	0	0	0	0	0
ÖK2	5	5	5	3	4	3	4	3	0	0	0	0	0	0	0	0
ÖK3	4	3	3	4	3	4	3	3	0	0	0	0	0	0	0	0
ÖK4	3	3	3	4	3	4	3	4	0	0	0	0	0	0	0	0
ÖK5	5	5	5	5	4	5	5	5	0	0	0	0	0	0	0	0
ÖK6	5	4	5	4	3	4	4	5	0	0	0	0	0	0	0	0
ÖK7	4	3	5	5	3	5	5	5	0	0	0	0	0	0	0	0
ÖK8	5	5	5	5	5	5	4	4	0	0	0	0	0	0	0	0
ÖK9	5	4	5	4	4	4	5	4	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			