BIOLOGY LABORATORY II											
1	Course Title:	BIOLOGY LABORATORY II									
2	Course Code:	FEN111	6								
3	Type of Course:	Compuls	sory								
4	Level of Course:	First Cyc	cle								
5	Year of Study:	1									
6	Semester:	2									
7	ECTS Credits Allocated:	2.00									
8	Theoretical (hour/week):	0.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	2									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to	face								
14	Course Coordinator:	Prof. Dr.	MUSTAFA ÖZKAN								
15	Course Lecturers:										
16	Contact information of the Course Coordinator:	Prof. Dr. Mustafa ÖZKAN Bursa Uludağ Üniversitesi Eğitim Fakültesi Matematik ve Fen Bilimleri Bölümü Fen Bilgisi Anabilim dalı Öğretim Üyesi Tel :40									
17	Website:										
18	Objective of the Course:	The objectives of this lesson are: To introduce the structures of the organ systems of animal organisms To explain how the organ systems of animal organisms operate									
19	Contribution of the Course to Professional Development:	This course will provide students with an advanced level of theoretical, methodological and factual knowledge in the field of "Teaching Profession General Competencies" and "Professional Knowledge" in a way that includes an interrogative perspective. In addition, this course contributes to the students' ability to acquire competencies specific to the field, by enabling them to obtain advanced theoretical knowledge from the basic field of teacher training and educational sciences and the ability to use them									
20	Learning Outcomes:										
	·	1	The students will learn the differences between living and non-living and between plants and animals.;								
		2	The students will explain and compare the classification of animals and sexual and asexual reproduction.;								
		3	The students will have information about animal tissues;								
		4	The students will describe feeding mechanisms and digestion in animals;								
		5	The students will describe the types, structures and functions of circulation in animals.;								
		6	The students will explain how and with what mechanisms animals realize gas exchange ;								
		7	The students will compare and explain excretory systems and products in animals;								
		8	The students will explain the nervous systems and sensory mechanisms in animals with their structure and functions;								
		9	The students will explain the structure and functions of the endocrine system;								
		10	The students will explain the structures and functions of support and movement systems in animals;								
21	Course Content:										

Course Content:																				
Week	Theo	eoretical									Practice									
1											Laboratuvary rules									
2											Microscope and Parts, Measuring under the microscope									
3									Ρ	Plant cell and anaimal cell										
4									Р	Plazmolysis, deplazmolysis, turgor										
5									C e	Cell concept, tongue and cheek epithelial cell, frog epithelial cell										
6									S Ia fr	Single-layered and multi-layered epithelium cell: Single- layered cylindrical epithelium cell Mammal skin preparate, frog skin preparate										
7									В	Blood tissue, blood types,										
8									Μ	Midterm Exam										
9									Μ	litosis a	nd mei	iosis								
10									Li	gamen	ts, colla	agen fib	ers Adi	ipose t	issue					
11									M m	Muscle tissue: smooth muscle and striated muscle, heart muscle										
12											Bone tissue, cartilage tissue									
13											Eugler	na, Plat	nelmint	hes						
14																				
22	Text	ook	s Re	ferenc	es an	d/or Ot	ther		N	eil A C	amphe	ell-Jane	B Ree	ce Bio	ology (C	eviri Ed				
Activites									Numt	ber		Dura	Duration (hour)			Total Work Load (hour)				
Theore	Theoretical							סך	Demirsoy A. Yaşamın Temel Kuralları. Cilt Alan Baskı.							ski.				
								H	acetter	e Üniv	ersitesi	Yavinla	(ăvinları A/52. 1985, Ankara							
Self-ot	Practicals/Labs									14 Oc			2.00	0.00			0.00			
PERMUL	PERMULEARNING SACTIVITIES NUMBE													0.00			0.00			
Nigren	Homeworks									40,00				0.00			0.00			
	s tudios													0.00			0.00			
Field S	Field Studies													\		10.00				
														0.00			0.00			
										100 100.00				16.00			16.00			
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Total w																1.80				
Hotal Work 1020/ 30 AF							6	en 00				2.00								
						-11	100.00													
Measurement and Evaluation Techniques Used in the Measurement Course the priciples Undergrade									ment a bles of aduate	ind eva Bursa u Educat	luation Iludag L ion Reg	is carri Jnivers gulatior	ed out a sity Asso n.	according ociate ar	g to nd					
24 ECTS / WORK LOAD TABLE																				
25				CON	TRIE	UTIO	N O	F LE	ARI QU/			COME NS	STO	PROC	GRAM	ME				
	F	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ	B PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16			
ÖK1	5	5	5	4	5	4	4	5	4	5	4	3	4	4	4	4	4			
ÖK2	5	5	4	5	4	5	4	5	4	5	4	4	4	4	4	3	4			

ÖK3	5	5	4	5	5	4	5	4	4	4	5	5	5	4	5	4
ÖK4	5	4	5	4	5	4	5	4	4	5	4	5	4	5	5	5
ÖK5	4	5	5	5	5	4	4	4	4	4	5	5	4	3	5	4
ÖK6	5	4	5	4	5	4	5	5	4	5	5	5	4	4	4	5
ÖK7	4	5	5	5	5	5	4	4	4	4	5	5	4	4	4	4
ÖK8	4	4	4	5	5	5	5	4	4	4	5	5	5	5	5	4
ÖK9	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5
ÖK10	5	4	4	4	4	4	5	5	5	5	4	4	5	5	5	4
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:		2 low			3 Medium			4 High			5 Very High					