CELLULAR PHYSIOLOGY.

1	Course Title:	CELLULAR PHYSIOLOGY.
2	Course Code:	VFZ 6013
3	Type of Course:	Optional
4	Level of Course:	Third Cycle
5	Year of Study:	1
6	Semester:	1
7	ECTS Credits Allocated:	2.00
8	Theoretical (hour/week):	1.00
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. FAHRÜNISA CENGİZ
15	Course Lecturers:	
16	Contact information of the Course Coordinator:	muraty@uludag.edu.tr +90 224 294 1228 Uludağ Üniversitesi Veteriner Fakültesi Fizyoloji Anabilim Dalı Görükle Bursa 16059
17	Website:	
18	Objective of the Course:	This course focuses on structure and function of cell and its organelles.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	

		1	Basic Structure and Function of Cell
		2	The Cell membrane
		3	The Organelles
		4	Energy production of cell
		5	Function of DNA and RNA in Cell
		6	
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		9	
		10	

21	Course Content:

Course Content:	
Week	**Theoretical**	**Practice**
1	Introduction to cell physiology	
2	Cell membrane	

3	Structure of protoplasm	
4	Nucleus	
5	Endoplasmic reticulum	
6	Golgi apparatus	
7	Mitochondria	
8	Lysosomes	
9	Centrioles	
10	Energy production of cell	
11	Function of DNA and RNA in Cell	
12	DNA and its replication	
13	Mitosis	
14	RNA and protein synthesis	

22	Textbooks, References and/or Other	1- KAY, I . Introduction to Animal Physiology, UK, 1998.

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	4- NOYAN, A. Fizyoloji Ders Kitabı 15. Baskı, Ankara, 2004 14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	1.00	14.00
Homeworks	1	2.00	2.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams.	0	0.00	0.00
Others	2	10.00	20.00
Final Exams	1	10.00	10.00
Total Work Load			60.00
Total work load / 30 hr			2.00
ECTS Credit of the Course			2.00

Total	100.00

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	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK2	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0

ÖK3	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK4	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0
ÖK5	5	4	4	4	5	5	4	4	5	4	5	5	0	0	0	0

LO: Learning Objectives   PQ: Program Qualifications

Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**