

HORMONAL MECHANISMS IN ANIMALS (ZOOLOGY SECTION)

1	Course Title:	HORMONAL MECHANISMS IN ANIMALS (ZOOLOGY SECTION)	
2	Course Code:	BIO6515	
3	Type of Course:	Compulsory	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	1	
7	ECTS Credits Allocated:	6.00	
8	Theoretical (hour/week):	3.00	
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. SIBEL TAŞ	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	smeral@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	Functions and control mechanisms of the hormones secreted by the endocrine glands, investigation of relations between the hypothalamus and the pituitary gland.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	To describe the control mechanisms in animals
		2	To describe "hormone-by-hormone" approach.
		3	To know the relationship between hormone-receptor
		4	To describe the chemical structure hormones
		5	To describe the function of the endocrine hormones
		6	To learn hypothalamic control of the pituitary gland,
		7	To describe the hormones secreted by adenohypophysis and neurohypophysis
		8	To describe some of the consequences of disruption of normal levels of endocrine hormones.
		9	To learn endocrine system disease
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	The structure of the hormone and second messengers		
2	Pituitary hormones, relations between the hypothalamus and the pituitary gland,		

3	Growth hormone and function ,the disease is caused by the hyper and hyposecretion of growth hormones	
4	The thyroid gland and its hormones	
5	The adrenal cortex and its hormones,	
6	The adrenal medulla and its hormones	
7	,The hormones secreted by the pancreas-	
8	Diabetes mellitus	
9	Parathyroid gland	
10	Calcium and hormone regulation	
11	Gonads, male sex hormones,	
12	Female sex hormones	
13	Pregnancy and lactation	
14	Other sources of hormones	

22	Textbooks, References and/or Other Materials:	MedicalPhysiology,:Arthur C Guytonand John E Hall, 2010 MedicalPhysiology; William F Ganong, 2010 Human anatomyandPhysiology; Robert Carola, John P Harley, Charles R Noback, 2002 Biological Science; I,II; William T. Keeton, James L Gould, 1990
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Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical		14	3.00	42.00
Practicals/Labs		0	0.00	0.00
Self study and preperation		0	2.00	28.00
Homeworks		5	10.00	50.00
Final Exam		1	0.00	0.00
Field Studies		0	0.00	0.00
Contribution of Term (Year) Learning Activities to Success Grade		0	0.00	0.00
Others		0	0.00	0.00
Contribution of Final Exam to Success Grade		1	30.00	30.00
Total Work Load				150.00
Total work load of 30 ECTS Evaluation Techniques Used in the Course				5.00
ECTS Credit of the Course				6.00

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	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK2	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK3	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK4	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0

ÖK5	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK6	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK7	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK8	3	1	1	5	5	5	4	3	5	0	0	0	0	0	0	0
ÖK9	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			