

HORMONES AND CLINICAL ENDOCRINOLOGY

1	Course Title:	HORMONES AND CLINICAL ENDOCRINOLOGY	
2	Course Code:	VBK6018	
3	Type of Course:	Optional	
4	Level of Course:	Third Cycle	
5	Year of Study:	1	
6	Semester:	2	
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:		
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. Ümit Polat	
15	Course Lecturers:		
16	Contact information of the Course Coordinator:	Prof. Dr. Ümit Polat upolat@uludag.edu.tr 41283 U.Ü.Veteriner Fakültesi Biyokimya ABD Bursa	
17	Website:		
18	Objective of the Course:	Comprehension of structural properties and functions of hormones which have vital functions in body, and abnormalities association with hormones.	
19	Contribution of the Course to Professional Development:	Understanding the mechanism of hormones action in veterinary medicine and their relationship with diseases	
20	Learning Outcomes:		
		1	Ability to give general information about chemical structures and places of secretion of hormones
		2	Ability to define the mechanism of actions of hormones at cell and molecular level.
		3	Comprehension of structures and actions of hormones secreted by various glands and organs
		4	Ability to comprehend conditions caused by hormone excess and deficiency
		5	Ability to define normal physiological functions of hormones and mechanisms of hormonal abnormalities
		6	Being able to define hormone analysis techniques.
		7	Ability to reach new knowledge and advances related to hormones.
		8	Ability to disseminate knowledge gained about hormones.
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	

1	Definition of hormones, importance and classification	
2	Mechanisms of hormone action	
3	Factors secreted from hypothalamus and their functions	
4	Hormones secreted from the anterior lobe of hypophysis and structure and functions	
5	Hormones secreted from the posterior lobe of hypophysis and structure and functions	
6	Thyroid hormones, structure and metabolism	
7	Effects of thyroid hormones on metabolism	
8	Thyroid hormone deficiencies and associated diseases	
9	Parathyroid gland hormones and their functions	
10	Pancreatic hormones, structure and properties	
11	Metabolic effects of insulin and glucagon	
12	Adrenal cortex hormones	
13	Adrenal medullary hormones	
14	Sex gland hormones	
22	Textbooks, References and/or Other Materials:	D. Gardner and D. Shoback, Greenspan's Basic And Clinical Endocrinology: Eighth Edition (Lange Medical Books), 2007 Endocrinology: Basic and Clinical Principles by Shlomo Melmed and P. Michael Conn, 2005 P. C. Chaampe-R. A. Harvey.Lippincott's Biochemistry, Robert, K. M. Harper'in Biyokimyası Bhagavan, N.V. Biochemistry Biochemistry lecture notes
23	Assesment	
TERM LEARNING ACTIVITIES		NUMBE R
Midterm Exam		0
Quiz		0
Home work-project		0
Final Exam		1
Total		1
Contribution of Term (Year) Learning Activities to Success Grade		0.00
Contribution of Final Exam to Success Grade		100.00
Total		100.00
Measurement and Evaluation Techniques Used in the Course		Measurement and evaluation are performed according to the Rules & Regulations of Bursa Uludağ University on Undergraduate Education.
24	ECTS / WORK LOAD TABLE	

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	2.00	28.00
Homeworks	0	0.00	0.00
Projects	14	2.00	28.00
Field Studies	0	0.00	0.00
Midterm exams	0	0.00	0.00
Others	0	0.00	0.00
Final Exams	1	6.00	6.00
Total Work Load			90.00
Total work load/ 30 hr			3.00
ECTS Credit of the Course			3.00

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	1	1	2	1	1	1	1	1	1	0	0	0	0
ÖK2	1	4	1	0	1	0	1	0	1	0	1	1	0	0	0	0
ÖK3	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
ÖK4	1	1	5	5	0	0	1	1	1	0	1	1	0	0	0	0
ÖK5	1	1	2	4	1	0	0	1	0	1	0	1	0	0	0	0
ÖK6	1	1	1	1	1	3	0	0	0	0	0	0	0	0	0	0
ÖK7	0	0	0	0	4	0	0	0	2	0	1	1	0	0	0	0
ÖK8	1	0	0	0	0	0	0	0	0	1	4	1	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			