

ENDOCRINOLOGY

1	Course Title:	ENDOCRINOLOGY
2	Course Code:	BYL4020
3	Type of Course:	Optional
4	Level of Course:	First Cycle
5	Year of Study:	4
6	Semester:	8
7	ECTS Credits Allocated:	4.00
8	Theoretical (hour/week):	2.00
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:	Prof. Dr. Sibel TAŞ
16	Contact information of the Course Coordinator:	<p>Uludağ Üniversitesi Fen-Edebiyat Fakültesi Biyoloji Bölümü Görükle Kampüsü, Nilüfer/BURSA 16059 e-posta: smeral@uludag.edu.tr Telefon: 0 (224) 294 1795</p> <p>Uludag University Faculty of Arts and Science Department of Biology Gorukle Campus, Nilufer/BURSA 16059 e-mail: smeral@uludag.edu.tr Phone: 0 (224) 294 1795</p>
17	Website:	
18	Objective of the Course:	Hormones and their feedback systems, mechanisms of hormone control, consideration will be given to the role of hormones in growth, development, metabolism, homeostasis and reproduction. The hormones and functions, feedback control system of hormone secretion.
19	Contribution of the Course to Professional Development:	
20	Learning Outcomes:	
	1	To get knowledge endocrine system.
	2	The students learn chemical structure of hormones.
	3	They know functions of hormones.
	4	They learn hypophysis hormones and their controls by hypothalamus.
	5	They learn hormones which secretion from anterior hypophysis and their functions.
	6	They learn hormones which secretion from posterior hypophysis and their functions.
	7	They know illness of endocrine system.
	8	They know normal limits of endocrine hormone secretions and secretion disorders.
	9	
	10	

21	Course Content:			
	Course Content:			
Week	Theoretical	Practice		
1	The structure of hormone, important endocrine glands, chemical composition of hormone and secretion			
2	The formation of hypophysis hormones, their secretions, functions and controls by hypothalamus.			
3	Synthesis of thyroid hormones, functions, and thyroid disorders; hypothyroidism, hyperthyroidism.			
4	The control of adrenocortical secretion, function of mineralocorticoids and disorders			
5	The function glicocorticoids, the disorder of adrenocortical secretion and adrenocortical disorders			
6	Insuline and its metabolic effects.Hormones that are effective in regulating blood glucose			
7	Glucagone and its functions, the regulation of blood glucose, diabetes mellitus.			
8	Paratiroid hormone, hormonal regulation of calsium			
9	Calsitonine, parathyroid physiology of calsium ion consantration and bone illness.			
10	Calcitonin and its functions.			
Activites		Number	Duration (hour)	Total Work Load (hour)
Theoretical	Pregnancy and lactation.	14	2.00	28.00
Practicals/Labs		0	0.00	0.00
Self study and preparation	Invertebrates	3	9.00	27.00
Homeworks		1	15.00	15.00
Projects		1	6.00	6.00
Field Studies		0	0.00	0.00
Midterm exams		2	19.00	38.00
Others		0	0.00	0.00
Final Exams		5	25.00	125.00
Total Work Load				139.00
Total work load/ 30 hr		İsmail Türkan 2000		4.00
ECTS Credit of the Course				4.00
23	Assessment			
TERM LEARNING ACTIVITIES		NUMBER	WEIGHT	
Midterm Exam		1	40.00	
Quiz		0	0.00	
Home work-project		0	0.00	
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																
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	5	5	4	0	0	0	0
ÖK2	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK3	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK4	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK5	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK6	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK7	3	1	1	5	5	5	4	3	5	5	5	4	0	0	0	0
ÖK8	3	1	1	5	5	5	4	4	4	5	5	4	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			