HORMONE BIOCHEMISTRY

1	Course Title:	HORMONE BIOCHEMISTRY	
2	Course Code:	BIO6401	
3	Type of Course:	Optional	
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:	Doç. Dr. EGEMEN DERE	
15	Course Lecturers:	Prof. Dr. Ferda ARI	
16	Contact information of the Course Coordinator:	Doç. Dr. Egemen DERE Bursa Uludağ Üniversitesi Fen Ed. Fak Biyoloji Bl. Moleküler Biyoloji Anabilim Dalı Tel: 0 224 41792 edere@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	The aim of the course is to comprehend structures of hormone and metabolism. To explain the importance of metabolism.	
19	Contribution of the Course to Professional Development:	Hormones act as regulatory molecules in living organisms. They control the proper functioning of metabolism. They also check each other. Knowing the hormone metabolism will contribute to his / her own study, no matter what subject the student taking the course studies.	
20	Learning Outcomes:		
		1	He/she can grasp to base of endocrine system
		2	He/she can understand to relationships with each other of hormones
		3	He/she can grasp to metabolic important and biosynthesis of hormones
		4	He/she can understand to how is identified hormones by the cells
		5	He/she can understand to molecular structure of hormones
		6	He/she can grasp to how is hormones affected the cells
		7	He/she can grasp the events into deficiency and redundancy of hormones
		8	He/she can understand the regulatory roles of plant hormones
		9	
		10	
21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Endocrine glands and the hormones	

2	Hormones classification and its functions into the target cells	
3	Peptides hormones	
4	Steroid hormones	
5	Hormones in amino acids structure	
6	Mechanisms of hormones action	
7	Exam and answer of examination questions, general discussion	
8	Feedback mechanisms	
9	Mechanisms of cell communication	
10	Hormone biosynthesis, hormone secretion and regulations	
11	Association with cancer of hormone	
12	Hormone use	
13	Herbal hormones and its biosynthesis	
14	Hormonal disorders	

22	Textbooks, References and/or Other Materials:	Hormones, Anthony W. Norman; Gerald Lidwack Biochemistry, Harper
23	Assesment	

TERM LEARNING ACTIVITIES	**NUMBER**	**WEIGHT**
Theoretical	1	60.00
Final Exam	1	40.00
Contribution of Term (Year) Learning Activities to Success Grade		60.00
Contribution of Final Exam to Success Grade		40.00
Measurement and Evaluation Techniques Used in the Course		Homework, oral and classical exam

24 ECTS / WORK LOAD TABLE

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	13	5.00	65.00
Homeworks	2	14.00	28.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	3.00	3.00
Others	8	5.00	40.00
Final Exams	1	3.00	3.00
Total Work Load			181.00
Total work load/ 30 hr			6.03
ECTS Credit of the Course			6.00

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	5	4	3	2	4	3	4	3	3	3	3	0	0	0	0	0
ÖK2	5	4	3	2	4	3	4	3	3	3	3	0	0	0	0	0
ÖK3	4	3	4	2	3	3	3	3	2	3	3	0	0	0	0	0
ÖK4	4	3	4	2	3	3	4	2	3	3	3	0	0	0	0	0

ÖK5	3	3	3	2	3	3	3	2	3	3	3	0	0	0	0	0
ÖK6	4	2	4	2	3	3	4	2	3	3	3	0	0	0	0	0
ÖK7	5	4	3	2	4	3	4	3	3	4	4	0	0	0	0	0
ÖK8	3	3	3	2	3	3	3	2	3	4	3	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**