



AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Hormones							
Course Code		VBY506		Course Level		Second Cycle (Master's Degree)			
ECTS Credit	5	Workload	125 (<i>Hours</i>)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		To give the basic information about hormones							
Course Content		Structure and classification of hormones, mechanism of protein hormones, mechanism of steroid hormones, feedback-control at hormones, synthesis of hormones, hormones and receptors, endocrin system pathology							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation)					
Name of Lecturer(s)		Prof. Funda KIRAL, Prof. Serap ÜNÜBOL AYPAK							

Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Final Examination	1	100

Recommended or Required Reading

1	Kaya, N. (1993) Biyokimya, Atatürk Üniversitesi, Erzurum.
2	Murray, R.K. (1993) Harper's Biochemistry, Appleton and Lange, Norwalk
3	Onat, T., Emerk, K. (1997) Biyokimya, Saray, İzmir.
4	Sittman, D. (2000) Biyokimya, çev. Güner G., Nobel, İstanbul.
5	Nihat BAYŞU, Nalan Bayşu SÖZBİLİR.(2008) Biyokimya Güneş Tıp kitabevleri, 2008.

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to hormones
2	Theoretical	Intracellular messenger systems
3	Theoretical	Classification of hormones
4	Theoretical	Synthesis and storage of hormones
5	Theoretical	Regulation of secretion of hormones
6	Theoretical	Cellular receptors
7	Theoretical	Hormones's effect mechanisms
8	Intermediate Exam	Midterm exam
9	Theoretical	Endocrine glands and hormones
10	Theoretical	Neurohypophysis hormones
11	Theoretical	Pars intermedia hormones
12	Theoretical	Adenohypophyseal hormones
13	Theoretical	Hormones that affect metabolism
14	Theoretical	Hormones affect the sex glands
15	Theoretical	Hormones of other endocrine glands
16	Final Exam	Final exam

Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	15	4	1	75
Term Project	1	0	17	17
Quiz	2	5	0.5	11
Midterm Examination	1	10	1	11



Final Examination	1	10	1	11
Total Workload (Hours)				125
[Total Workload (Hours) / 25*] = ECTS				5
*25 hour workload is accepted as 1 ECTS				

Learning Outcomes

1	To be able to respond these questions: What is hormon? What is its important in organism?
2	To be able to comprehend classification of hormones
3	To be able to comprehend effect mechanisms of hormones.
4	To be able to explain packing, storage and storage of Hormones.
5	To be able to analyse hormon's function in organism and to identify the disorders which may occur in the cases of their deficiencies or excessiveness.

Programme Outcomes (Biochemistry (Veterinary Medicine) Master)

1	To be able to tell and describe the interdisciplinary interaction with the associated fields.
2	To be able to express original ideas using his/her higher education knowledge theoretically and practically information and to be able to creat original definations,products,methods improving and questioning these ideas.
3	To be able to manage a free research according to scientific and metodological methods and be able to hypothetically and practically about his/her own field.
4	To be able to compose and interpret the information from different disciplines, and create solution suggestions and scientific information which can contribute to the solution process.
5	To be able to involves in professional organizations and institutions related with the educational background.
6	To be able to take responsibility for individual and group work, and do the assignments in line with the skills.
7	To be able to communicate with the professionals out of the field when it is necessary, and contribute to the solution as a team member.
8	To be able to tell about the production and publishing methods of scientific information.
9	To be able to design the source and the type of information that is needed related with the field and chooses the activities that s/he wants to participate, by using his/her critical thinking abilities that is developed in the education.
10	To be able to use technological devices both for professional and social purposes.
11	To be able to compose and interpret any kind of data related with the field (field observations, produced scientific information etc.) and analyzes and interprets the results according to the aims of the research.
12	To be able to define the environmental health rules and apply them for prevention.
13	To be able to apply the knowledge gained in professional level with the awareness of the needs of the region and the country, and develop a defense capability.
14	To be able to conceptualize the phenomena and the events related with the field; study scientific methods and techniques, interpret results; analyze and hypothesize methods in accordance with the results and design solution or treatment alternatives addressing the problems.
15	To be able to interpret the updates of information in the field by using all kinds of sources (scientific information, legislations etc.), and use when needed.

Contribution of Learning Outcomes to Programme Outcomes 1:Very Low, 2:Low, 3:Medium, 4:High, 5:Very High

	L1	L2	L3	L4	L5
P2	3	3	3	3	3
P3	3	3	3	3	3
P4	3	3	3	3	3
P8	3	3	3	3	3
P11	3	3	3	3	3
P15	3	3	3	3	3

