AYDIN ADNAN MENDERES UNIVERSITY
COURSE INFORMATION FORM

Course Title	Hormone Biochemistry								
Course Code	BYK526		Couse Level		Second Cycle (Master's Degree)				
ECTS Credit	5	Workload	125 *(Hours)*	Theory	3	Practice	0	Laboratory	0
Objectives of the Course	To learn the structure and functions of hormones which are regulatory molecules in metabolism								
Course Content	The general structure and properties of hormones, action mechanism of hormones (receptors and signaling pathways), hyroid hormones, hormones that regulate calcium and phosphorus metabolism, pancreatic hormones, adrenal hormones, gonads and steroid hormones, gastrointestinal hormones, hypothalamus, hypophysis and thymus hormones, growth factors, tissue hormones, cytokines.								
Work Placement	N/A								
Planned Learning Activities and Teaching Methods	Explanation (Presentation), Discussion								
Name of Lecturer(s)									

Assessment Methods and Criteria		
Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

Recommended or Required Reading	
1	Harrison endocrinology
2	biochemistry by lehninger
3	lippincott biyokimya

Week	Weekly Detailed Course Contents	
1	Theoretical	Endocrine system
2	Theoretical	General properties and classification of hormones
3	Theoretical	Mechanisms of action of hormones
4	Theoretical	Gastrointestinal system (GIS) hormones
5	Theoretical	Hypothalamus and pituitary hormones
6	Theoretical	Thyroid hormones
7	Theoretical	Adrenal hormones I
8	Intermediate Exam	Quiz
9	Theoretical	Adrenal hormones II
10	Theoretical	Pancreatic hormones
11	Theoretical	Hormones regulating calcium and phosphorus metabolism
12	Theoretical	Sex hormones
13	Theoretical	Placenta Hormones
14	Theoretical	Disorders of hormonal system
15	Theoretical	Hormone measurement methods
16	Final Exam	Final exam

Workload Calculation				
Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	3	56
Assignment	6	1	8	54
Individual Work	3	1	4	15
			Total Workload (Hours)	125
			[Total Workload (Hours) / 25*] = **ECTS**	5
**25 hour workload is accepted as 1 ECTS*				

Learning Outcomes	
1	To have general information about hormones and their functions
2	Learning the classification of hormones and explaining their structures
3	Will be able to evaluate the mechanisms of action of hormones
4	Will be able to explain the functions of hormones in disease and health
5	To have information about hormone analysis methods

Programme Outcomes *(Biochemistry (Medical) Master)*	
1	To have basic theoretical knowledge about biochemistry and to help understanding biochemistry
2	To have the basic laboratory knowledge, apparatus and methods used in biochemistry
3	Analysis: To be able to analyze information critically
4	Synthesis: To be able to synthesize and adapt the knowledge in the field from different directions
5	Evaluation: To critically evaluate research in the field

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

	L1	L2	L3	L4	L5
P1	5	4	5	5	4
P2	5	4	4	4	4
P3	5	5	4	4	5
P4	4	5	5	5	5
P5	4	4	4	5	4