



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Advanced Hormone Physiology							
Course Code		TFZ605		Couse Level		Third Cycle (Doctorate Degree)			
ECTS Credit	6	Workload	156 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Introduce knowledge skills about hormone physiology . Present novel scientific data to participants.							
Course Content		Introduction to endocrinology, structures and effects of hormones, endocrine glands and hormones, hypothalamus and hypophysis hormones, disorders of hypophysis hormones, thyroid gland, hormones and disorders; parathyroid gland, regulation of calcium and vitamin D metabolism; pancreas hormones, regulation of glucose metabolism, diabetes mellitus; adrenal gland hormones; sex hormones; male sex glands and hormones							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Discussion, Individual Study					
Name of Lecturer(s)									

### Assessment Methods and Criteria

Method	Quantity	Percentage (%)
Midterm Examination	1	40
Final Examination	1	60

### Recommended or Required Reading

1	Guyton, Medical Physiology
2	All scientific data about the subject

Week	Weekly Detailed Course Contents	
1	Theoretical	Introduction to endocrinology
	Practice	Introduction to endocrinology practice
	Preparation Work	Reading
2	Theoretical	structures and effects of hormones
	Practice	structures and effects of hormones practice
	Preparation Work	Reading
3	Theoretical	effects of hormones
	Practice	effects of hormones practice
	Preparation Work	Reading
4	Theoretical	endocrine glands and hormones
	Practice	endocrine glands and hormones practice
	Preparation Work	Reading
5	Theoretical	hypothalamus and hypophysis hormones
	Practice	hypothalamus and hypophysis hormones practice
	Preparation Work	Reading
6	Theoretical	disorders of hypophysis hormones
	Practice	disorders of hypophysis hormones practice
	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Theoretical	thyroid gland, hormones and disorders
	Practice	thyroid gland, hormones and disorders practice
	Preparation Work	Reading
9	Theoretical	parathyroid gland
	Practice	parathyroid gland practice
	Preparation Work	Reading



10	Theoretical	regulation of calcium and vitamin D metabolism
	Practice	regulation of calcium and vitamin D metabolism practice
	Preparation Work	Reading
11	Theoretical	pancreas hormones, regulation of glucose metabolism, diabetes mellitus
	Practice	pancreas hormones, regulation of glucose metabolism, diabetes mellitus practice
	Preparation Work	Reading
12	Theoretical	adrenal gland hormones
	Practice	adrenal gland hormones practice
	Preparation Work	Reading
13	Theoretical	sex hormones; male sex glands and hormones
	Practice	sex hormones; male sex glands and hormones practice
	Preparation Work	Reading
14	Final Exam	Final Exam

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	2	42
Lecture - Practice	14	1	2	42
Assignment	10	6	1	70
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				156
[Total Workload (Hours) / 25*] = <b>ECTS</b>				6
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	To be able to recognize the importance of advanced hormone physiology
2	To be able to evaluate the relationship between other systems
3	To be able to investigate physiopathological symptoms about the subject
4	Interpret general principals about the subject
5	

### Programme Outcomes (Physiology (Medical) Doctorate)

1	Has a deep and broad knowledge about the field and the interdisciplinary area related with the field through the achievements gained in undergraduate and professional levels.
2	Has the knowledge to create original ideas, analyze them and develop definition/product/diagnosis methods by using the knowledge gained in undergraduate and/or professional experience, when needed.
3	To learn the laws and regulations both national and international in the field of physiology.
4	To gain ability to apply the principles and fundamentals of scientific ethical rules.
5	Implements and defends institutional and practical information and abilities in accordance with the needs of the country and the world, and changes when necessary.

### 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	4	4	4
P2	5	4	4	4	4
P3	4	3	4	4	3
P4	4	4	4	4	4
P5	4	4	5	5	4

