



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Neonatal Physiology							
Course Code		TFZ617		Course Level		Third Cycle (Doctorate Degree)			
ECTS Credit	2	Workload	54 (Hours)	Theory	1	Practice	0	Laboratory	0
Objectives of the Course		Giving information about Neonatal Physiology. Introduce knowledge skills . Present novel scientific data to participants.							
Course Content		Biology of development; Congenital Malformations; Growth and metabolic adaptation; The respiratory system of premature; Cardiovascular system and its diseases; The gastrointestinal system.							
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	Biology of development 1
	Preparation Work	Reading
2	Theoretical	Biology of development 2
	Preparation Work	Reading
3	Theoretical	Biology of development 3
	Preparation Work	Reading
4	Theoretical	Congenital Malformations
	Preparation Work	Reading
5	Theoretical	Congenital Malformations 2
	Preparation Work	Reading
6	Theoretical	Growth and metabolic adaptation 1
	Preparation Work	Reading
7	Intermediate Exam	Midterm Exam
8	Theoretical	Growth and metabolic adaptation 2
	Preparation Work	Reading
9	Theoretical	The respiratory system of premature 1
	Preparation Work	Reading
10	Theoretical	The respiratory system of premature 2
	Preparation Work	Reading
11	Theoretical	Cardiovascular system and its diseases 1
	Preparation Work	Reading
12	Theoretical	Cardiovascular system and its diseases 2
	Preparation Work	Reading
13	Theoretical	The gastrointestinal system
	Preparation Work	Reading
14	Final Exam	Final Exam



**Workload Calculation**

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	14	1	1	28
Assignment	12	2	0	24
Midterm Examination	1	0	1	1
Final Examination	1	0	1	1
Total Workload (Hours)				54
[Total Workload (Hours) / 25*] = <b>ECTS</b>				2
*25 hour workload is accepted as 1 ECTS				

**Learning Outcomes**

1	To be able to recognize the importance of neonatal 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	5	4	5
P2	4	4	5	4	4
P3	5	4	5	4	5
P4	4	4	5	4	4
P5	5	4	5	4	5

