



## AYDIN ADNAN MENDERES UNIVERSITY COURSE INFORMATION FORM

Course Title		Blood Physiology							
Course Code		TFZ521		Couse Level		Second Cycle (Master's Degree)			
ECTS Credit	6	Workload	150 ( <i>Hours</i> )	Theory	2	Practice	2	Laboratory	0
Objectives of the Course		Functions of blood; Plasma, blood cells, plasma proteins, Production of erythrocytes and its control; Hemoglobulin; Leukocytes, Leukemia, agranulocytosis; Immunology and allergy; Blood groups, transfusion; Platelets; Hemostasis and clotting of blood.							
Course Content		Hematopoiesis, Erythrocyte physiology, Hemoglobin production, Iron metabolism, Leukocyte physiology, Body resistance to infections, Monocyte-macrophage system and its functions, Immune response and immunity types, Blood groups and blood transfusion, Hemostasis and blood clotting, Mechanism of coagulation, Trombocyte, Fibrinolysis							
Work Placement		N/A							
Planned Learning Activities and Teaching Methods				Explanation (Presentation), Individual Study					
Name of Lecturer(s)		Lec. Ferhat ŞİRİNYILDIZ, Prof. Gökhan CESUR							

### Assessment Methods and Criteria

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

### Recommended or Required Reading

1	Guyton, Tıbbi Fizyoloji
2	Vander, İnsan Fizyolojisi

Week	Weekly Detailed Course Contents	
1	Theoretical	
2	Theoretical	
3	Theoretical	
4	Theoretical	
5	Theoretical	
6	Theoretical	
7	Intermediate Exam	
8	Theoretical	
9	Theoretical	
10	Theoretical	
11	Theoretical	
12	Theoretical	
13	Theoretical	
14	Theoretical	
15	Theoretical	
16	Final Exam	

### Workload Calculation

Activity	Quantity	Preparation	Duration	Total Workload
Lecture - Theory	1	14	14	28
Lecture - Practice	1	14	14	28
Assignment	10	3	2	50
Reading	3	0	14	42
Midterm Examination	1	0	1	1



Final Examination	1	0	1	1
Total Workload (Hours)				150
[Total Workload (Hours) / 25*] = ECTS				6
*25 hour workload is accepted as 1 ECTS				

### Learning Outcomes

1	
2	
3	
4	
5	

### Programme Outcomes (Physiology (Medical) Master)

1	To be able to acquire a background needed for basic physiological research and having the ability to use the teoritical and practical knowledge in the field
2	To be able to prepare the article in the science of physiology
3	To be able to present papers in the field of science of physiology
4	To have professional ethics and responsibility
5	To be able to reach a level to follow research in the field, to possess written and spoken communication skills and be able to join discussions

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

