	HEMA	TOPO	DETIC SYSTEM						
1	Course Title:	HEMATO	DPOETIC SYSTEM						
2	Course Code:	TFZ6006	3						
3	Type of Course:	Optional							
4	Level of Course:	Third Cy	cle						
5	Year of Study:	1							
6	Semester:	2							
7	ECTS Credits Allocated:	5.00							
8	Theoretical (hour/week):	1.00							
9	Practice (hour/week):	2.00							
10	Laboratory (hour/week):	0							
11	Prerequisites:	None							
12	Language:	Turkish							
13	Mode of Delivery:	Face to f	ace						
14	Course Coordinator:	Prof. Dr.	NACİYE İŞBİL						
15	Course Lecturers:	Dr.Öğr.Ü	lyesi Engin Sağdilek						
16	Contact information of the Course Coordinator:	Prof. Dr. Naciye Işbil U.Ü. Tıp Fak. Fizyoloji ABD Bursa nisbil@uludag.edu.tr / 0224 2954011							
17	Website:								
18	Objective of the Course:	The aim is to learn about the physical properties of blood , production of blood cells and their functions.							
19	Contribution of the Course to Professional Development:		is to learn about the physical properties of blood , on of blood cells and their functions.						
20	Learning Outcomes:								
		1	Comphrend process of hematopoiesis						
		2	To know about the physiological functions of blood cells						
		3	To know about natural and adaptive immunity						
		4	To know about coagulation anf fibrinolytic systems						
		5	To reinforce knowledge of hematopoietic system's physiological functions by laboratory practice						
		6							
		7							
		8							
		9							
		10							
21	Course Content:								
		Co	ourse Content:						
Week			Practice						
1	Physical properties of blood		The presentation of the laboratory materials, microscope usage and safety rules to pay attention for laboratory staff						
2	Haematopoiesis and hematopoietic s	systems	Blood sampling methods						
3	Erytropoiesis and its regulation, eryth	nrocytes	Red blood cell count with haemocytometer method						
4	Hemoglobin and its types		Leukocyte count with haemocytometer method						

5	Leukopesis and leukocyte types		Tr	ombocyte cou	unt with haemocytom	eter method						
6	Hemotopoietic agents and anaen	nia		Determination of haeoglobin level, hematocrit measurement								
7	Iron homeostasis		Le	Leukocyte formula in the peripheral blood smear								
8	Platelets and their functional cha	racteristics		Reticulocytes and platelet count by indirect methods in the peripheral blood smear								
9	Haemostasis and coagulation			Drawing blood from vein, sedimentation rate measurement and haemolysis								
10	Fibrinolytic system		D	Determination of fibrinolytic activity								
11	Natural immunity			rawing blood f otting time	rom vein for determi	nation of bleeding ar	nd					
12	Acquired immunity				ticoagulants on cottir od, investigation of c							
13	Blood types		D	etermination c	of blood types							
14	Anticoagulants and their mechan actions	isms of	0	smotic fragility	1							
22	Textbooks, References and/or O Materials:	ther	2- St 3-	1- Review of Medical Physiology, Ed. Ganong WF, 23rd Ed., 2010. 2- Berne & Levy Physiology, Eds: Koeppen BN and Stanton BA; 6th Ed., 2010 3- Vander Insan Fizyolojisi, Ed. Serdar Demirgören, 10.basımdan çeviri, 2010.								
23	Assesment											
Activit	tes		1	Number	Duration ((hour) Total Work Load (hou						
Quiz Theore	etical	U	U.	90 14	1.00	14.00						
	cals/Labs		ملـ	14	2.00	28.00						
	.xam udy and preperation		11	50.00	0.00	0.00						
Homey	· · · · · · · · · · · · · · · · · · ·	1	14	<u> </u>	0.00	0.00						
Coniting	oution or reini (Tear) Learning Ac i	เพเเษร เบ	70.	0								
	S Grade			0	0.00	0.00						
Field S			_	0	0.00	0.00						
	m exams		1	0 00	0.00	0.00						
Others		s usea in ine	. HV	0 easurement a	0.00	0.00						
	zement and Evaluation rechnique xams		th	e Rules & Reg	gulations of Bursa UI		_					
	Vork Load					150.00						
T ∂4 w	√ΕΓΩΤSI/3WQRK LOAD TAB	LE				5.00						
ECTS (Credit of the Course					5.00						
25	CONTRIBUTIO	Q	UA	LIFICATIO			246					
	IPG IPG/ IPG/ IPG/IPG5	IPUD IPU/ II	ーいと	21FU91FU1	1FW111FW121FW1	PQ14 PQ15 PQ	, In					

25		CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS														
	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16
ÖK1	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK4	5	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0

ÖK5	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications Contrib 1 very low 2 low 3 Medium 4 High 5 Very High ution Level:											y High					