

HAEMATOPOIESIS AND BLOOD CELLS

1	Course Title:	HAEMATOPOIESIS AND BLOOD CELLS	
2	Course Code:	TIP2031	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	2.00	
8	Theoretical (hour/week):	1.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	NONE	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Prof. Dr. İLKİN ÇAVUŞOĞLU	
15	Course Lecturers:	Prof.Dr. İlkin Çavuşoğlu	
16	Contact information of the Course Coordinator:	ilkin@uludag.edu.tr 224 2954051 Uludağ Üniversitesi Tıp Fakültesi Histoloji ve Embriyoloji Anabilim Dalı 16059 BURSA	
17	Website:		
18	Objective of the Course:	To provide the students aknowledged about the development of blood cells, the microscopical structural and staining properties of the blood cells and cellular basis of blood diseases.	
19	Contribution of the Course to Professional Development:		
20	Learning Outcomes:		
		1	Can describe the hemopoetic tissues
		2	Can tell the phases of intrauterin hematopoiesis
		3	Can describe the stem cells
		4	Can align the developmental stagesof blood cells
		5	Can describe the histological properties and function of the blood cells
		6	Can distinguish the microscopical properties of the blood cells
		7	Can recognise the blood cells on microphotographs
		8	Can conceive the cellular basis of some blood diseases.
		9	
		10	
21	Course Content:		
		Course Content:	
Week	Theoretical	Practice	
1	Aim and objectives of the course		
2	Blood tissue		
3	Bone marrow		
4	Haemopoetic stem cells		

5	Haematopoiesis	
6	Erythrocyte	
7	Erythropoiesis	
8	White blood cells	
9	Granulocytes	
10	Granulopoiesis	
11	Monocyte and monocytopoiesis	
12	Lymphocyte and lymphopoiesis	
13	Platelets and trombopoiesis	
14	Recognition of blood cells on peripheral smears	

22	Textbooks, References and/or Other Materials:	1. Kierszenbaum AL, Tres LL. Histology and Cell Biology: An Introduction to Pathology. 3rd ed. Philadelphia: Elsevier Saunders; 2012. 2. Junqueira LC, Carneiro J. Basic Histology: Text & Atlas. 11st ed. USA: McGraw-Hill Companies; 2005
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23	Assesment
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TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Midterm Exam	1	40.00
Quiz	0	0.00

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical Contribution of Term (Year) Learning Activities to	14	1.00	14.00
Practicals/Labs	0	0.00	0.00
Self-study and Preparation to Success Grade	60	0.50	7.00
Homeworks	1	24.00	24.00
Projects	0	0.00	0.00
Measurement and Evaluation Techniques Used in the Field Studies	0	0.00	0.00

24. ECTS / WORK LOAD TABLE			
Modern exams	1	6.00	6.00
Others	0	0.00	0.00
Final Exams	1	8.00	8.00
Total Work Load			65.00
Total work load/ 30 hr			1.97
ECTS Credit of the Course			2.00

[illegible]

ÖK5	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ÖK6	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ÖK7	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
ÖK8	5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contribution Level:	1 very low			2 low			3 Medium			4 High			5 Very High			