



HEMATOPOIETIC SYSTEM AND RELATED DISORDERS

YEAR 2 COURSE 3

December 16th, 2019 – February 13th, 2020

Year 2 Coordinators

Assoc. Prof., Özgür Kasımay ÇAKIR & Assist. Prof., Burak AKSU & Dr. Masoud AFSHANI

Module Coordinators Assoc. Prof., Özlem SARIKAYA & Inst. Duygu GENÇALP	Introduction to Clinician Skills (ICS) Coordinators Prof., Pemra ÜNALAN & Assoc. Prof., Nilüfer GÜZOĞLU
Coordinators of Clinical Skill Lab. Assoc. Prof., Pemra ÜNALAN & Assist. Prof., Bülent SEZGİN	Coordinators of ICS Res. Lab. Prof., Pemra ÜNALAN & Inst. Özge CUMAOĞULLARI EKER
Coordinators of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN	Coordinators of Assessment Unite Asist. Prof., Cevdet NACAR & Assist. Prof., H. Eren SAKALLI
Vice-Chief Coordinators	
Assessment Asist. Prof., Cevdet NACAR & Assist. Prof., H. Eren SAKALLI	Students' Affairs Asist. Prof., Can ERZİK & Inst. Yönter MERAY
Chief Coordinators Assoc. Prof., Hasan YANANLI & Assist. Prof., Mümtaz GÜRAN	Coordinator of Medical Education Program Evaluation and Development Commission Prof., Berrak Ç. YEĞEN
Educational Consultant Assoc. Prof., Mehmet Ali GÜLPINAR	
Dean (EMU) Assoc. Prof., Emre HAMURTEKİN	Dean (MU) Prof., Hakan GÜNDÜZ

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 - 1. Basic clinical skills
 - 2. The organization and management of the patient and the patient care
 - 3. The organization and the management of health care delivery services / system
 - 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 - 5. Appropriate information retrieval and management skills
 - 6. The integration of knowledge, critical thinking and evidence-based decision making
 - 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 - 8. Communication skills and effective communication with patients / patient relatives
 - 9. Interpersonal relationships and team working
 - 10. Ethical and professional values, responsibilities
 - 11. Individual, social and cultural values and responsibilities
 - 12. Reflective practice and continuing development
 - 13. Healthcare delivery systems, management and community oriented health care
 - 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

- 1. Understanding the normal structures and functions of human body
- 2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
- 3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
- 4. Gaining basic clinical skills by applications in simulated settings.
- 5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
- 6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
- 7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course: Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive System and Related Disorders

HEMATOPOIETIC SYSTEM AND RELATED DISORDERS**AIM and LEARNING OBJECTIVES of COURSE**

Aim: At the end of this committee, second year students will gain knowledge about the development, structure and physiology of the hematopoietic system and pathogenesis of the disorders related to system. They will also gain knowledge about the signs and symptoms of hematopoietic disorders, related risk factors, prevention, diagnosis, and principles of treatment.

Learning Objectives: At the end of this committee, second year students will,

1. understand the development and histology of the lymphoid organs and blood
2. identify the structure and function of the hematopoietic system
3. define the pathologic processes in hematological disorders
4. gain knowledge about microorganisms affect the hematopoietic system and their pathogenesis in infectious process
5. gain knowledge about the risk groups, risk factors related to hematological disorders and preventive measures
6. gain knowledge about the signs and symptoms of these disorders
7. gain knowledge about the approach to diagnosis, and principles of treatment in hematological disorders
8. define the pharmacotherapy of hematological disorders
9. acquire skills necessary to perform experimental applications.

ASSESSMENT SYSTEM

Module examination: Written exam at the end of the course and performance during the module

Practical examination: Practical exams at the end of course

Course examination: Written exam at the end of course

PROGRAM EVALUATION

Evaluation at the end of the course, is done both orally and by using structured evaluation forms

DEPARTMENTS PARTICIPATING IN COURSE-2.3

- Anatomy
- Biochemistry
- Family Medicine
- Histology and Embryology
- Internal Medicine
- Medical Biology

- Medical Genetics
- Microbiology
- Pathology
- Pharmacology
- Physiology
- Public Health

LECTURERS / TUTORS

Ahmet TOPUZOĞLU, Assoc. Professor of Public Health

Alper YILDIRIM, Assoc. Professor of Physiology

Berfu Çerçi ÖNGÜN, Instructor of Anatomy

Bülent SEZGİN, Assist. Professor of Internal Medicine

Burak AKSU, Asisst. Prof. of Microbiology

Can ERZİK, Assist. Professor of Medical Biology

Cemal GÜRKAN, Instructor of Forensic Sciences

Didem RIFKI, Instructor of ENT

Duygu GENÇALP, Instructor of Medical Biochemistry

Eren SAKALLI, Assist. Professor of Pharmacology

Ergül MUTLU ALTUNDAĞ, Assist. Professor of Biochemistry

Goncagül HAKLAR, Professor of Biochemistry

Mümtaz GÜRAN, Assist. Professor of Microbiology

Nevin YILMAZ, Professor of Gastroenterology

Nilgün ÇERİKÇİOĞLU, Professor of Microbiology

Nurver ÜLGER, Professor of Microbiology

Nurtane KARAGİL, Instructor of Arts and Crafts

Özgür Kasımay ÇAKIR, Assoc. Professor of

Physiology

Özlem Tuğçe KAYA, Instructor of Histology and

Embryology

Pınar ATA, Assoc. Professor of Medical Genetics

Saime BATIREL, Assist. Professor of Biochemistry

Süheyla BOZKURT, Professor of Medical Pathology

Şefik Görkey, Prof. Of Medical History and Ethics

Serife SÖKMEZ, Instructor of Turkish Language

Hande TUĞCAN, Instructor of Modern Indian Dance
Masoud AFŞHANI, Assist. Professor of Histology and Embryology
Maryam NOROUZBAHARI, Instructor of PBL
Mehmet AKMAN Assoc. Professor of Family Medicine

Tayfur TOPTAŞ, Assist. Professor of Internal medicine
Ufuk HASDEMİR, Professor of Medical Microbiology
Ulhan SİLİ, Assist. Professor of Infectious Diseases
Ümit ŞEHİRLİ, Professor of Anatomy
Yasemin KURTOĞLU, Instructor of Aerial Fitness
Yaşar İnci ALİCAN, Professor of Physiology

READING / STUDYING MATERIALS

- Manual of Pediatric Hematology & Oncology, Philip Lanzkowsky
- Nathan and Oski's Hematology of Infancy and Childhood, David G. Nathan, Stuart H. Orkin, A. Thomas Look, David Ginsburg.
- Manual of Clinical Hematology, Joseph J Mazza (Lippincott Williams & Wilkins).
- A Color Atlas of Comparative, Diagnostic and Experimental Hematology, C.A. Smith, et al., London, Wolfe, 1994.
- Wintrobe's Clinical Hematology, G. Richard Lee, et al., Philadelphia, Lea &Febiger, 2008.
- Kan Hastalıkları, B. Berkarda, Istanbul, U. BasımveYayınevi, 2003
- Principles of Physiology, Berne & Levy
- Textbook of Physiology, Guyton and Hall
- Clinical Diagnosis and Management by Laboratory Methods, John Bernard Henry (Saunders).
- Medical Microbiology; Patrick R Murray, Michael A. Pfaller, Ken S. Rosenthal.
- Jawetz, Melnick, and Adelberg's Medical Microbiology (Lange Basic Science).
- Basic & Clinical Pharmacology ISBN: 0071410929 Copyright year: 2004 Bertram G Katzung Ninth edition.
- Goodman & Gilman's The Pharmacological Basis of Therapeutics tenth edition (August 13, 2001) McGraw-Hill Professional ISBN-10: 0071354697.
- Aster JC Disease of White Blood Cells, Lymph nodes, spleen. In: Kumar V, Abbas AK, Fausto N(eds). Pathological basis of disease. 7th ed. China: Elsevier Saunders. 2005: 661-705.
- McKenna RW, Maiese RL, Croft SH. Disorders of bone marrow. In Sternberg SS(ed). Diagnostic surgical pathology. 3rd ed. Philadelphia: Lippincott Williams&Wilkins 1999:661-708.

SUMMARY OF THE COURSE 2.3			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	2	2	4
Biochemistry	11	2	13
Family Medicine	1		1
Histology & Embryology	6	2	8
Infectious Diseases	3		3
Internal Medicine	27		27
Medical Biology	2		2
Medical Genetics	2		2
Microbiology	7	2	9
Pathology	6	1	7
Pharmacology	6		6
Physiology	4	3	7
Public Health	2		2
Subtotal	79	12	91
PBL Module	8		8
ICS-2: HTX and ICE Exam	2	6	8
ICS-2: HIM-Arts and Humanities	12		12
ICS-2: HIM-Social Concepts in Medicine	14		14
ICS-2: HIM-Ethics	12		12
Turkish For Medical Students-III	16		16
Turkish For Medical Students-III (Interactive Session)	7		7
Elective Course-II			
MDCN181			
MDCN182	8		8
MDCN186			
MDCN187			
TOTAL	158	18	176

	THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
Week 1 (16th -20th December 2019)		
Monday	16 December	
08:40-09:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
09:40-10:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
10:40-11:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
11:40-12:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	MDCN181 Forensic Sciences	Dr. Cemal Gürkan
16:40-17:30	MDCN182 Art & Craft for Medicine Students	Inst. Nurtane Karagil
	MDCN186 Modern Indian Dance	Inst. Hande Tuğcan
	MDCN187 Aerial Fitness and High Intensity Interval Training	Inst. Yasemin Kurtoğlu
Tuesday	17 December	
08:40-09:30	STUDY TIME	
09:40-10:30	Anatomy of lymphoid organs	Dr. Ümit Şehirli
10:40-11:30	Lymphoid circulation	Dr. Ümit Şehirli
11:40-12:30	Introduction to the course and opening lecture	Dr. Masoud Afshani
13:40-14:30	Anatomy LAB: Anatomy of lymphoid organs	Dr. Ümit Şehirli Dr. Berfu Çerçi Ongun
14:40-15:30	Anatomy LAB: Anatomy of lymphoid organs	Dr. Ümit Şehirli Dr. Berfu Çerçi Ongun
15:40-16:30	Constituents of blood	Dr. Ergül Mutlu Altundağ
16:40-17:30	STUDY TIME	
Wednesday	18 December	
08:40-09:30	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ
09:40-10:30	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ
10:40-11:30	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
11:40-12:30	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
13:40-14:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
14:40-15:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	19 December	
08:40-09:30	Y3C2 THEORITICAL EXAM	
09:40-10:30		

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10:40-11:30		
11:40-12:30		
13:40-14:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
Friday	20 December	
08:40-09:30	Histology of blood	Dr. Özlem Tuğçe Kaya
09:40-10:30	Histology of blood	Dr. Özlem Tuğçe Kaya
10:40-11:30	Lymphoid organs	Dr. Özlem Tuğçe Kaya
11:40-12:30	Lymphoid organs	Dr. Özlem Tuğçe Kaya
13:40-14:30	Histology LAB: Blood and Lymphoid organs - Group A	Dr. Özlem Tuğçe Kaya Dr. Masoud Afshani
14:40-15:30	Histology LAB: Blood and Lymphoid organs - Group A	Dr. Özlem Tuğçe Kaya Dr. Masoud Afshani
15:40-16:30	Histology LAB: Blood and Lymphoid organs - Group B	Dr. Özlem Tuğçe Kaya Dr. Masoud Afshani
16:40-17:30	Histology LAB: Blood and Lymphoid organs - Group B	Dr. Özlem Tuğçe Kaya Dr. Masoud Afshani
Week 2 (23rd -27th December 2019)		
Monday	23 December	
08:40-09:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
09:40-10:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
10:40-11:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
11:40-12:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	MDCN181 Forensic Sciences	Dr. Cemal Gürkan
16:40-17:30	MDCN182 Art & Craft for Medicine Students	Inst. Nurtane Karagil
	MDCN186 Modern Indian Dance MDCN187 Aerial Fitness and High Intensity Interval Training	Inst. Hande Tuğcan Inst. Yasemin Kurtoğlu
Tuesday	24 December	
08:40-09:30	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
09:40-10:30	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
10:40-11:30	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger
11:40-12:30	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger

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13:40-14:30	STUDY TIME	
14:40-15:30	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger Dr. Mümtaz Güran
15:40-16:30	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger Dr. Mümtaz Güran
16:40-17:30	STUDY TIME	
Wednesday	25 December	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	26 December	
08:40-09:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman Dr. Bülent Sezgin
09:40-10:30	ICS-2: HIM-Arts and Humanities	
10:40-11:30	ICS-2: HIM-Arts and Humanities	
11:40-12:30	ICS-2: HIM-Arts and Humanities	
13:40-14:30	(Case) An adult patient with lymphadenopathies	Dr. Mehmet Akman
14:40-15:30	Hematopoiesis	Dr. Masoud Afshani
15:40-16:30	PBL-MODULE 1	Dr. Eren Sakallı
16:40-17:30	PBL-MODULE 1	Dr. Ergül Altundağ Dr. Nilüfer Güzoğlu
Friday	27 December	
08:40-09:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman Dr. Bülent Sezgin
09:40-10:30	ICS-2: HIM-Arts and Humanities	
10:40-11:30	ICS-2: HIM-Arts and Humanities	
11:40-12:30	ICS-2: HIM-Arts and Humanities	
13:40-14:30	ICS-2: HIM-Arts and Humanities	Dr. Mehmet Akman Dr. Bülent Sezgin
14:40-15:30	ICS-2: HIM-Arts and Humanities	
15:40-16:30	ICS-2: HIM-Arts and Humanities	
16:40-17:30	ICS-2: HIM-Arts and Humanities	
Week 3 (30th December 2019 – 03rd January 2020)		
Monday	30 December	

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08:40-09:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
09:40-10:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
10:40-11:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
11:40-12:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	MDCN181 Forensic Sciences	Dr. Cemal Gürkan
	MDCN182 Art & Craft for Medicine Students	Inst. Nurtane Karagil
16:40-17:30	MDCN186 Modern Indian Dance	Inst. Hande Tuğcan
	MDCN187 Aerial Fitness and High Intensity Interval Training	Inst. Yasemin Kurtoğlu
Tuesday	31 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	01 January	
08:40-09:30	NEW YEAR HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	02 January	
08:40-09:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
09:40-10:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
10:40-11:30	Genetics of hematological disorders	Dr. Pınar Ata
11:40-12:30	Genetics of hematological disorders	Dr. Pınar Ata
13:40-14:30	White and red blood cells	Dr. Özgür Kasımay Çakır
14:40-15:30	White and red blood cells	Dr. Özgür Kasımay Çakır

15:40-16:30	PBL-MODULE 2	Dr. Eren Sakallı
16:40-17:30	PBL-MODULE 2	Dr. Ergül Altundağ Dr. Nevin Yılmaz
Friday	03 January	
08:40-09:30	Blood groups	Dr. Özgür Kasımay
09:40-10:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım
11:40-12:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım
13:40-14:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım
14:40-15:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım
15:40-16:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım
16:40-17:30	STUDY TIME	
Week 4 (06th-10th January 2020)		
Monday	06 January	
08:40-09:30	ICS-2: History Taking and IPE (Written Exam)	Dr. Nevin Yılmaz, Dr. Amber Eker, Dr. Bülent Sezgin, Dr. Didem Rıfki
09:40-10:30	ICS-2: History Taking and IPE (Written Exam)	
10:40-11:30	ICS-2: History Taking and IPE (Oral Exam)	
11:40-12:30	ICS-2: History Taking and IPE (Oral Exam)	
13:40-14:30	ICS-2: History Taking and IPE (Oral Exam)	Dr. Nevin Yılmaz, Dr. Amber Eker, Dr. Bülent Sezgin, Dr. Didem Rıfki
14:40-15:30	ICS-2: History Taking and IPE (Oral Exam)	
15:40-16:30	ICS-2: History Taking and IPE (Oral Exam)	
16:40-17:30	ICS-2: History Taking and IPE (Oral Exam)	
Tuesday	07 January	
08:40-09:30	Biochemistry LAB: Examination of red blood cells - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Dr. Duygu Gençalp
09:40-10:30	Biochemistry LAB: Examination of red blood cells - Group A	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Dr. Duygu Gençalp
10:40-11:30	Biochemistry LAB: Examination of red blood cells - Group B	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Dr. Duygu Gençalp
11:40-12:30	Biochemistry LAB: Examination of red blood cells - Group B	Dr. Saime Batirel Dr. Ergül Mutlu Altundağ Dr. Duygu Gençalp

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13:40-14:30	Infections in immunocompromised host	Dr. Uluhan Sili
14:40-15:30	Sepsis	Dr. Uluhan Sili
15:40-16:30	Infectious mononucleosis	Dr. Uluhan Sili
16:40-17:30	STUDY TIME	
Wednesday	08 January	
08:40-09:30	Structure and function of erythrocytes	Dr. Saime Batirel
09:40-10:30	Structure and function of erythrocytes	Dr. Saime Batirel
10:40-11:30	Structure and function of haemoglobin	Dr. Saime Batirel
11:40-12:30	Structure and function of haemoglobin	Dr. Saime Batirel
13:40-14:30	Biochemical aspect of anemia	Dr. Saime Batirel
14:40-15:30	Biochemical aspect of anemia	Dr. Saime Batirel
15:40-16:30	Platelets: Coagulation and fibrinolysis	Dr. Yaşar İnci Alican
16:40-17:30	Platelets: Coagulation and fibrinolysis	Dr. Yaşar İnci Alican
Thursday	09 January	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	10 January	
08:40-09:30	Non-neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
09:40-10:30	Non-neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
10:40-11:30	Pathology of bone marrow	Dr. Süheyla Bozkurt
11:40-12:30	Pathology of bone marrow	Dr. Süheyla Bozkurt
13:40-14:30	Neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
14:40-15:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues - A	Dr. Süheyla Bozkurt
15:40-16:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues - B	Dr. Süheyla Bozkurt
16:40-17:30	Non-neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
Week 5 (13th-17th January 2020)		
Monday	13 January	
08:40-09:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez

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09:40-10:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
10:40-11:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
11:40-12:30	Turkish For Medical Students-III (Foreign Students)	Inst. Şerife Ç. Sokmez
13:40-14:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
14:40-15:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
15:40-16:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
16:40-17:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
Tuesday	14 January	
08:40-09:30	Introduction to hematology, stem cell, and hematopoiesis	Dr. Tayfur Toptaş
09:40-10:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tayfur Toptaş
10:40-11:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tayfur Toptaş
11:40-12:30	Aplastic anemia	Dr. Tayfur Toptaş
13:40-14:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
14:40-15:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
15:40-16:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
16:40-17:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
Wednesday	15 January	
08:40-09:30	Thrombocytopenias and immune thrombocytopenic purpura	Dr. Tayfur Toptaş
09:40-10:30	Chronic lymphocytic leukemia's (CLL)	Dr. Tayfur Toptaş
10:40-11:30	Hodgkin disease and non-Hodgkin lymphomas	Dr. Tayfur Toptaş
11:40-12:30	Hodgkin disease and non-Hodgkin lymphomas	Dr. Tayfur Toptaş
13:40-14:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
14:40-15:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
15:40-16:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
16:40-17:30	ICS-2: HIM-Ethics	Dr. Şefik Görkey
Thursday	16 January	
08:40-09:30	ICS-2: HIM-Social Concept in Medicine	Dr. Mehmet Akman Dr. Bülent Sezgin
09:40-10:30	ICS-2: HIM-Social Concept in Medicine	
10:40-11:30	ICS-2: HIM-Social Concept in Medicine	
11:40-12:30	ICS-2: HIM-Social Concept in Medicine	
13:40-14:30	ICS-2: HIM-Social Concept in Medicine	Dr. Mehmet Akman Dr. Bülent Sezgin
14:40-15:30	ICS-2: HIM-Social Concept in Medicine	

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15:40-16:30	ICS-2: HIM-Social Concept in Medicine	
16:40-17:30	ICS-2: HIM-Social Concept in Medicine	
Friday	17 January	
08:40-09:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
09:40-10:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
10:40-11:30	Turkish For Medical Students-III (Interactive Session)	Inst. Emine Özerinç
11:40-12:30	Development of lymphoid organs	Dr. Masoud Afshani
13:40-14:30	Epidemiology of diseases spread by arthropod vectors	Dr. Ahmet Topuzoğlu
14:40-15:30	Epidemiology of diseases spread by arthropod vectors	Dr. Ahmet Topuzoğlu
15:40-16:30	PBL-MODULE 3	Dr. Eren Sakallı
16:40-17:30	PBL-MODULE 3	Dr. Ergül Altundağ Dr. Nevin Yılmaz
Week 8 (20th - 24th January 2020)		
Monday	20 January	
08:40-09:30	Pharmacotherapy of anemia	Dr. Eren Sakallı
09:40-10:30	Pharmacotherapy of anemia	Dr. Eren Sakallı
10:40-11:30	PBL-MODULE 4	Dr. Eren Sakallı
11:40-12:30	PBL-MODULE 4	Dr. Ergül Mutlu Altundağ Dr. Nevin Yılmaz
13:40-14:30	Heavy metals and antagonists	Dr. Eren Sakallı
14:40-15:30	Hematopoietic agents: Growth factors	Dr. Eren Sakallı
15:40-16:30	MDCN181 Forensic Sciences MDCN182 Art & Craft for Medicine Students MDCN186 Modern Indian Dance	Dr. Cemal Gürkan Inst. Nurtane Karagil Inst. Hande Tuğcan
16:40-17:30	MDCN187 Aerial Fitness and High Intensity Interval Training	Inst. Yasemin Kurtoğlu
Tuesday	21 January	
08:40-09:30	STUDY TIME	
09:40-10:30	Classification and clinical approach to anemia	Dr. Tayfur Toptaş
10:40-11:30	Introduction to hemolytic anemia's of and mechanism of hemolysis	Dr. Tayfur Toptaş
11:40-12:30	Hemolytic anemia's due to membrane and enzyme defects	Dr. Tayfur Toptaş
13:40-14:30	Sickle cell disease	Dr. Tayfur Toptaş
14:40-15:30	Thalassemia	Dr. Tayfur Toptaş
15:40-16:30	Hemophilia	Dr. Tayfur Toptaş
16:40-17:30	Megaloblastic anemias	Dr. Tayfur Toptaş
Wednesday	22 January	

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08:40-09:30	Reading blood smear (slide show)	Dr. Tayfur Toptaş
09:40-10:30	Immune hemolytic anemias	Dr. Tayfur Toptaş
10:40-11:30	Non-immune acquired hemolytic anemias	Dr. Tayfur Toptaş
11:40-12:30	Iron metabolism and iron deficiencies	Dr. Tayfur Toptaş
13:40-14:30	Quantitative disorders of platelets	Dr. Tayfur Toptaş
14:40-15:30	Acquired and congenital thrombophilia	Dr. Tayfur Toptaş
15:40-16:30	Molecular basis of hemoglobinopathies (Remote Session)	Dr. Can Erzik
16:40-17:30	Molecular basis of hemoglobinopathies (Remote Session)	Dr. Can Erzik
Thursday	23 January	
08:40-09:30	Transfusion medicine: Blood components	Dr. Tayfur Toptaş
09:40-10:30	Blood transfusion indications and complications	Dr. Tayfur Toptaş
10:40-11:30	Myelodysplastic syndrome	Dr. Tayfur Toptaş
11:40-12:30	Multiple myeloma and other paraproteinemias	Dr. Tayfur Toptaş
13:40-14:30	Acute leukemia's: Classification and molecular aspect	Dr. Tayfur Toptaş
14:40-15:30	Acute leukemia's: Classification and molecular aspect	Dr. Tayfur Toptaş
15:40-16:30	Anticancer Chemotherapy	Dr. Eren Sakallı
16:40-17:30	Biological modifiers	Dr. Eren Sakallı
Friday	24 January	
08:40-09:30	ICS-2: HIM-Social Concept in Medicine	Dr. Mehmet Akman Dr. Bülent Sezgin
09:40-10:30	ICS-2: HIM-Social Concept in Medicine	
10:40-11:30	ICS-2: HIM-Social Concept in Medicine	
11:40-12:30	ICS-2: HIM-Social Concept in Medicine	
13:40-14:30	ICS-2: HIM-Social Concept in Medicine	Dr. Mehmet Akman Dr. Bülent Sezgin
14:40-15:30	ICS-2: HIM-Social Concept in Medicine	
15:40-16:30	ICS-2: HIM-Social Concept in Medicine	
16:40-17:30	STUDY TIME	
SEMESTER HOLIDAYS (27 January-7 February)		
Week 9 (11th -14th February 2020)		
Monday	11 February	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		

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13:40-14:30		
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15:40-16:30		
16:40-17:30		
Tuesday	11 February	
08:40-09:30	PRACTICAL EXAM	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	12 February	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	STUDY TIME	
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Thursday	13 February	
08:40-09:30		
09:40-10:30	Y2C3 THEORETICAL EXAM (09:30 AM)	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	14 February	

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