



**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN UNIVERSITY
INTERNATIONAL MEDICAL SCHOOL**



HEMATOPOIETIC SYSTEM AND RELATED DISORDERS
YEAR 2 COURSE 3
December 26th, 2020 – February 15th, 2020

Year 2 Coordinators

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

Module Coordinators

Assoc. Prof., Özlem SARIKAYA & Asst. Prof. Bülent SEZGİN

**Introduction to Clinician Skills (ICS)
Coordinators**

Prof., Pemra ÜNALAN & Assoc. Prof., Nilüfer GÜZOĞLU

Coordinators of Clinical Skill Lab.

Assoc. Prof., Pemra ÜNALAN & Assoc. Prof., Nilüfer GÜZOĞLU

Coordinators of ICS Res. Lab.

Prof., Pemra ÜNALAN & Asst. Prof., N. İlke AKÇAY

Coordinators of Multidisciplinary Students' Lab.

Assoc. Prof., Betül KARADEMİR & Assist. Prof., Mümtaz GÜRAN

Coordinators of Assessment Unit

Asst. Prof., Cevdet NACAR & Assist. Prof., H. Eren SAKALLI

Vice-Chief Coordinators

Assessment

Asst. Prof., Cevdet NACAR & Assist. Prof., H. Eren SAKALLI

Students' Affairs

Asst. Prof., Can ERZİK & Inst. Yöner 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)

Prof., Nahide GÖKÇORA

Dean (MU)

Prof., Hakan GÜNDÜZ

The lectures marked with * will be held on MS Teams Program.

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

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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
Betül KARADEMİR, Professor of Biochemistry
Bülent SEZGİN, Assist. Professor of Internal Medicine

Mümtaz GÜRAN, Assist. Professor of Microbiology
Nevin YILMAZ, Professor of Gastroenterology
Nilgün ÇERİKÇİOĞLU, Professor of Microbiology
Masoud AFSHANI, Assist. Professor of Histology

The lectures marked with * will be held on MS Teams Program.

Burak AKSU, Asist. Prof. of Microbiology
Cemal GÜRKAN, Instructor of Forensic Sciences
Deren ÇEKER, Instructor of Medical Anthropology
Dilek AKAKIN, Assoc. Professor of Histology and Embryology
Emine ÖZERİNÇ, Instructor of Turkish Language
Eren SAKALLI, Assist. Professor of Pharmacology
Ergül MUTLU ALTUNDAĞ, Assist. Professor of Biochemistry
Dilek Yağcı ÇAĞLAYIK, Instructor of Infectious Diseases
Fergün AYDIN, Instructor of Internal Medicine
Feriha ERCAN, Professor of Histology and Embryology
Goncagül HAKLAR, Professor of Biochemistry
Hüseyin Kemal TÜRKÖZ, Professor of Medical Pathology
Işık ATAGÜNDÜZ, Professor of Internal Medicine

and Embryology
Mehmet AKMAN Assoc. Professor of Family Medicine
Nurşah EKER, Assist. Professor of Pediatrics
Ömer DOĞRU, Assist. Professor of Pediatrics
Nurver ÜLGER, Professor of Microbiology
Nurtane KARAGİL, Instructor of Arts and Crafts
Özgür Kasımay ÇAKIR, Assoc. Professor of Physiology
Pınar ATA, Assoc. Professor of Medical Genetics
Saime BATIREL, Assist. Professor of Biochemistry
Sıdika AYŞE ÖZER, Professor of Medical Biology
Süheyla BOZKURT, Professor of Medical Pathology
Tayfur TOPTAŞ, Assist. Professor of Internal medicine
Tülin TUĞLULAR, Professor of Internal Medicine
Ufuk HASDEMİR, Professor of Medical Microbiology
Uluhan SİLİ, Assist. Professor of Infectious Diseases
Ümit ŞEHİRLİ, Professor of Anatomy
Volkan KORTEN, Professor of Infectious Diseases
Yaşar İnci ALİCAN, Professor of Physiology

- 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 Comperative, Diagnostic and Experimental Hematology, C.A. Smith, et al., London, Wolfe, 1994.
- Wintrobe's Clinical Hematology, G. Richard Lee, et al., Philedelphia, Lea &Febiger, 2008.
- KanHastalıkları, 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).

The lectures marked with * will be held on MS Teams Program.

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.

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SUMMARY OF THE COURSE 2.3			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	2	1	3
Biochemistry	11	2	13
Family Medicine	1		1
Histology & Embryology	7	1	8
Infectious Diseases	4		4
Internal Medicine	23		23
Medical Biology	2		2
Medical Genetics	2		2
Microbiology	8	2	10
Pathology	5	1	6
Pharmacology	6		6
Physiology	5	1	6
Public Health	2		2
Subtotal	78	8	86
PBL Module	8		8
ICS-2: Research Proposal Workshop and Student Research Activity	1	11	12
ICS-2 BCS: History Taking and Introduction to Physical Examination	4		4
Turkish For Medical Students-III	20		20
Turkish For Medical Students-III (Interactive Session)	20		20
Elective Course-II MDCN181 MDCN182 MDCN125	8		8
TOTAL	139	19	158

The lectures marked with * will be held on MS Teams Program.

		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR
1st WEEK (28 December 2020 – 01 January 2021)			
Cyprus Local Time	Turkey Local Time	Calendar Days	Instructor Name
Monday		28 December	
08:40-09:30	09:40-10:30	STUDY TIME	
09:40-10:30	10:40-11:30	STUDY TIME	
10:40-11:30	11:40-12:30	STUDY TIME	
11:40-12:30	12:40-13:30	STUDY TIME	
13:40-14:30	14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
14:40-15:30	15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
15:40-16:30	16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
Tuesday		29 December	
08:00-08:50	09:00-09:50	Introduction to course	Dr. Masoud Afshani*
09:00-09:50	10:00-10:50	Anatomy of the lymphoid organs	Dr. Ümit Süleyman Şehirli
10:00-10:50	11:00-11:50	Lymphoid circulation	Dr. Ümit Süleyman Şehirli
12:00-12:50	13:00-13:50	Histology of blood	Dr. Feriha Ercan
13:00-13:50	14:00-14:50	Histology of blood	Dr. Feriha Ercan
14:00-14:50	15:00-15:50	Turkish For Medical Students-III (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
15:00-16:50	16:00-16:50	Turkish For Medical Students-III (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session	Inst. Emine Özerinç*

The lectures marked with * will be held on MS Teams Program.

		for Foreign Students)	
Wednesday		30 December	
08:00-08:50	09:00-09:50	Anatomy LAB: Anatomy of lymphoid organs	Dr. Ümit Süleyman Şehirli Dr. Berfu Çerçi Öngün*
09:00-09:50	10:00-10:50	White and red blood cells	Dr. Özgür Kasımay Çakır
10:00-10:50	11:00-11:50	White and red blood cells	Dr. Özgür Kasımay Çakır
12:00-12:50	13:00-13:50	Structure and function of erythrocytes	Dr. Saime Batirel
13:00-13:50	14:00-14:50	Structure and function of erythrocytes	Dr. Saime Batirel
14:00-14:50	15:00-15:50	Turkish For Medical Students-III (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
15:00-16:50	16:00-16:50	Turkish For Medical Students-III (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for Foreign Students)	Inst. Emine Özerinç*
Thursday		31 December	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Platelets: Coagulation and fibrinolysis	Dr. Yaşar İnci Alican
10:00-10:50	11:00-11:50	Platelets: Coagulation and fibrinolysis	Dr. Yaşar İnci Alican
12:00-12:50	13:00-13:50	Structure and function of hemoglobin	Dr. Betül Karademir
13:00-13:50	14:00-14:50	Structure and function of hemoglobin	Dr. Betül Karademir
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	STUDY TIME	
Friday		01 January	
08:00-08:50	09:00-09:50	NEW YEAR	
09:00-09:50	10:00-10:50		
10:00-10:50	11:00-11:50		
12:00-12:50	13:00-13:50		
13:00-13:50	14:00-14:50		

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14:00-14:50	15:00-15:50		
15:00-15:50	16:00-16:50		
2nd Week (04 – 08 January 2021)			
Monday		04 January	
08:40-09:30	09:40-10:30	STUDY TIME	
09:40-10:30	10:40-11:30	STUDY TIME	
10:40-11:30	11:40-12:30	STUDY TIME	
11:40-12:30	12:40-13:30	STUDY TIME	
13:40-14:30	14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
14:40-15:30	15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
15:40-16:30	16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
Tuesday		05 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Constituents of blood	Dr. Ergül Mutlu Altundağ*
10:00-10:50	11:00-11:50	STUDY TIME	
12:00-12:50	13:00-13:50	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
13:00-13:50	14:00-14:50	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
14:00-14:50	15:00-15:50	Lymphoid organs	Dr. Dilek Akakın
15:00-15:50	16:00-16:50	Lymphoid organs	Dr. Dilek Akakın
16:00-16:50	17:00-17:50	STUDY TIME	
Wednesday		06 January	

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08:00-08:50	09:00-09:50	Physiology LAB: Blood Physiology	Dr. Özgür Kasımay Çakır Dr. Alper Yıldırım
09:00-09:50	10:00-10:50	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
10:00-10:50	11:00-11:50	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
12:00-12:50	13:00-13:50	Iron metabolism and iron deficiencies	Dr. Fergün Aydın
13:00-13:50	14:00-14:50	Toxoplasmosis	Dr. Ufuk Hasdemir
14:00-14:50	15:00-15:50	Blood groups	Dr. Özgür Kasımay Çakır
15:00-15:50	16:00-16:50	Histology LAB: Blood and Lymphoid organs	Dr. Dilek Akakın Dr. Masoud Afshani*
16:00-16:50	17:00-17:50	Hematopoiesis	Dr. Masoud Afshani*
Thursday		07 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Pathology of bone marrow	Dr. Hüseyin Kemal Türköz
10:00-10:50	11:00-11:50	Pathology of bone marrow	Dr. Hüseyin Kemal Türköz
12:00-12:50	13:00-13:50	Biochemical aspect of anemia	Dr. Saime Batirel
13:00-13:50	14:00-14:50	Biochemical aspect of anemia	Dr. Saime Batirel
14:00-14:50	15:00-15:50	Non-neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
15:00-15:50	16:00-16:50	TFMS201- EXAM (on moodle)	Inst. Emine Özerinç*
16:00-16:50	17:00-17:50		
Friday		08 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Classification and clinical approach to anemia	Dr. Işık Atagündüz
10:00-10:50	11:00-11:50	Megaloblastic anemias	Dr. Işık Atagündüz
12:00-12:50	13:00-13:50	STUDY TIME	
13:00-13:50	14:00-14:50	STUDY TIME	
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-15:50	16:00-16:50	Infectious mononucleosis	Dr. Uluhan Sili
16:00-16:50	17:00-17:50	STUDY TIME	

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3rd Week (11 – 15 January 2021)			
Monday		11 January	
08:40-09:30	09:40-10:30	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
09:40-10:30	10:40-11:30	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
10:40-11:30	11:40-12:30	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
11:40-12:30	12:40-13:30	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
13:40-14:30	14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
14:40-15:30	15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
15:40-16:30	16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
Tuesday		12 January	
08:00-08:50	09:00-09:50	Neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
09:00-09:50	10:00-10:50	Neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
10:00-10:50	11:00-11:50	Pathology LAB: Pathology of bone marrow and lymphoid tissues	Dr. Hüseyin Kemal Türköz
12:00-12:50	13:00-13:50	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger
13:00-13:50	14:00-14:50	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger
14:00-14:50	15:00-15:50	Introduction to hemolytic anemia's of and mechanism of hemolysis	Dr. Ömer Doğru
15:00-15:50	16:00-16:50	Hemolytic anemia's due to membrane and enzyme defects	Dr. Ömer Doğru
16:00-16:50	17:00-17:50	STUDY TIME	

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Wednesday		13 January	
08:00-08:50	09:00-09:50	Reading blood smear (slide show)	Dr. Tayfur Toptaş
09:00-09:50	10:00-10:50	Acute leukemia's: Classification and molecular aspect	Dr. Tayfur Toptaş
10:00-10:50	11:00-11:50	Acute leukemia's: Classification and molecular aspect	Dr. Tayfur Toptaş
12:00-12:50	13:00-13:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
13:00-13:50	14:00-14:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
14:00-14:50	15:00-15:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
15:00-15:50	16:00-16:50	PBL-SESSION 1	Dr.Nevin Yılmaz* Dr.Amber Eker* Dr.Nilüfer Güzoğlu* Dr.Halil Eren Sakallı* Dr.Bülent Sezgin*
16:00-16:50	17:00-17:50	PBL-SESSION 1	
Thursday		14 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Myelodysplastic syndrome	Dr. Tayfur Toptaş
10:00-10:50	11:00-11:50	Acquired and congenital thrombophilias	Dr. Tayfur Toptaş
12:00-12:50	13:00-13:50	Epidemiology of diseases spread by arthropod vectors	Dr. Ahmet Topuzoğlu
13:00-13:50	14:00-14:50	Epidemiology of diseases spread by arthropod vectors	Dr. Ahmet Topuzoğlu
14:00-14:50	15:00-15:50	Hemophilia	Dr. Ömer Doğru
15:00-15:50	16:00-16:50	Quantitative disorders of the platelets	Dr. Ömer Doğru
Friday		15 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger Dr. Mümtaz Güran*
10:00-10:50	11:00-11:50	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger Dr. Mümtaz Güran*

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12:00-12:50	13:00-13:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
13:00-13:50	14:00-14:50	PBL-SESSION 2	Dr.Nevin Yılmaz* Dr.Amber Eker*
14:00-14:50	15:00-15:50	PBL-SESSION 2	Dr.Nilüfer Güzoğlu* Dr.Halil Eren Sakallı* Dr.Bülent Sezgin*
15:00-15:50	16:00-16:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
4th Week (18 – 22 January, 2021)			
Monday		18 January	
09:00-09:50	09:00-09:50	ICS-2 Research: Important points in Data Collection	Dr. İlke Akçay*
10:00-10:50	10:00-10:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
11:00-11:50	12:00-12:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
12:00-12:50	13:00-15:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
13:40-14:30	14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
14:40-15:30	15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
15:40-16:30	16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
16:40-17:30	17:40-18:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
		Elective Courses (MDCN-181-Forensic Sciences) (MDCN-182-Art and Craft) (MDCN-125-Medical Anthropology)	Dr. Cemal Gürkan* Inst. Nurtane Karagil* Inst. Deren Çeker*
Tuesday		19 January	
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	Infections in immunocompromised host	Dr. Volkan Korten

The lectures marked with * will be held on MS Teams Program.

12:00-12:50	13:00-13:50	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tülin Tuğlular
13:00-13:50	14:00-14:50	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tülin Tuğlular
14:00-14:50	15:00-15:50	Multiple myeloma and other paraproteinemias	Dr. Işık Atagündüz
15:00-15:50	16:00-16:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
Wednesday		20 January	
08:00-08:50	09:00-09:50	Biological modifiers	Dr. Eren Sakallı*
09:00-09:50	10:00-10:50	Aplastic anemia	Dr. Tülin Tuğlular
10:00-10:50	11:00-11:50	Thrombocytopenias and immune thrombocytopenic purpura	Dr. Tülin Tuğlular
12:00-12:50	13:00-13:50	PBL- SESSION 3	Dr.Nevin Yılmaz* Dr.Amber Eker* Dr.Nilüfer Güzoğlu* Dr.Halil Eren Sakallı* Dr.Bülent Sezgin*
13:00-13:50	14:00-14:50	PBL- SESSION 3	
14:00-14:50	15:00-15:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
15:00-15:50	16:00-16:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
Thursday		21 January	
08:00-08:50	09:00-09:50	Sickle cell disease	Dr. Nurşah Eker
09:00-09:50	10:00-10:50	Vector borne diseases	Dr. Mehmet Burak Aksu
10:00-10:50	11:00-11:50	Vector borne diseases	Dr. Mehmet Burak Aksu
12:00-12:50	13:00-13:50	Immune hemolytic anemias	Dr. Fergün Aydın
13:00-13:50	14:00-14:50	Non-immune acquired hemolytic anemias	Dr. Fergün Aydın
14:00-14:50	15:00-15:50	ICS-2 BCS: History Taking in pediatrics	Dr. Nilüfer Güzoğlu*

The lectures marked with * will be held on MS Teams Program.

15:00-15:50	16:00-16:50	ICS-2 BCS: History Taking in pediatrics	Dr. Nilüfer Güzoğlu*
Friday		22 January	
08:00-08:50	09:00-09:50	Sepsis	Dr. Lütfiye Mülazımoğlu Durmuşoğlu
09:00-09:50	10:00-10:50	Transfusion medicine: Blood components	Dr. Fergün Aydın
10:00-10:50	11:00-11:50	Blood transfusion indications and complications	Dr. Fergün Aydın
12:00-12:50	13:00-13:50	Biochemistry LAB: Examination of red blood cells	Dr. Ergül Mutlu Altundağ*
13:00-13:50	14:00-14:50	Biochemistry LAB: Examination of red blood cells	Dr. Ergül Mutlu Altundağ*
14:00-14:50	15:00-15:50	PBL- SESSION 4	Dr.Nevin Yılmaz* Dr.Amber Eker*
15:00-15:50	16:00-16:50	PBL- SESSION 4	Dr.Nilüfer Güzoğlu* Dr.Halil Eren Sakallı* Dr.Bülent Sezgin*
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Inst. Emine Özerinç*
5th Week (25– 29 January, 2021)			
Monday	25 January		
09:00-09:50	10:00-10:50	STUDY TIME	
10:00-10:50	11:00-11:50	ICS-2 BCS: History Taking in pediatrics	Dr. Nilüfer Güzoğlu*
11:00-11:50	12:00-12:50	ICS-2 BCS: History Taking in pediatrics	Dr. Nilüfer Güzoğlu*
13:40-14:30	14:40-15:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
14:40-15:30	15:40-16:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
15:40-16:30	16:40-17:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
16:40-17:30	17:40-18:30	Turkish For Medical Students-III (Foreign Students)	Inst. Emine Özerinç*
Tuesday	26 January		
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Pharmacotherapy of anemia	Dr. Eren Sakallı*
10:00-10:50	11:00-11:50	Viral hemorrhagic diseases	Dr. Dilek Yağcı Çağlayık
12:00-12:50	13:00-13:50	Thalassemias	Dr. Nurşah Eker

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The lectures marked with * will be held on MS Teams Program.

13:00-13:50	14:00-14:50	Chronic lymphocytic leukemia's (CLL)	Dr. Tülin Tuğlular
14:00-14:50	15:00-15:50	(Case) An adult patient with lymphadenopathies	Dr. Mehmet Akman
15:00-15:50	16:00-16:50	Introduction to hematology, stem cell, and hematopoiesis	Dr. Tülin Tuğlular
16:00-16:50	17:00-17:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
17:00-17:50	18:00-18:50	Turkish For Medical Students-III (Interactive Session for foreign students)	Emine Özerinç*
Wednesday	27 January		
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Molecular basis of hemoglobinopathies	Dr. Sıdıka Ayşe Özer
10:00-10:50	11:00-11:50	DNA diagnosis of hemaglobinopathies	Dr. Sıdıka Ayşe Özer
12:00-12:50	13:00-13:50	Genetics of hematological disorders	Dr. Pınar Ata
13:00-13:50	14:00-14:50	Genetics of hematological disorders	Dr. Pınar Ata
14:00-14:50	15:00-15:50	Pharmacotherapy of malaria	Dr. Eren Sakallı*
15:00-15:50	16:00-16:50	Hematopoietic agents: Growth factors	Dr. Eren Sakallı*
16:00-16:50	17:00-17:50	Anticancer chemotherapy	Dr. Eren Sakallı*
Thursday	28 January		
08:00-08:50	09:00-09:50	STUDY TIME	
09:00-09:50	10:00-10:50	Hodgkin disease and non-Hodgkin lymphomas	Dr. Tülin Tuğlular
10:00-10:50	11:00-11:50	Hodgkin disease and non-Hodgkin lymphomas	Dr. Tülin Tuğlular
12:00-12:50	13:00-13:50	Heavy metals and antagonists	Dr. Eren Sakallı*
13:00-13:50	14:00-14:50	Multi-system zoonosis including tuleremia and brucellosis	Dr. Mehmet Burak Aksu
14:00-14:50	15:00-15:50	Multi-system zoonosis including tuleremia and brucellosis	Dr. Mehmet Burak Aksu
15:00-15:50	16:00-16:50	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ*
16:00-16:50	17:00-17:50	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ*
Friday	29 January		

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The lectures marked with * will be held on MS Teams Program.

08:00-08:50	09:00-09:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
09:00-09:50	10:00-10:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
10:00-10:50	11:00-11:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
11:00-11:50	12:00-12:50	ICS-2 Research: Critics with groups	Dr. İlke Akçay*
13:00-13:50	14:00-14:50	Development of lymphoid organs	Dr. Masoud Afshani*
14:00-14:50	15:00-15:50	STUDY TIME	
15:00-17:30	16:00-18:30	TFMS201-EXAM (on moodle)	
SEMESTER HOLIDAY			
6th Week (15– 19 February, 2021)			
Monday	15 February		
		Y2C3 THEORETICAL EXAM (Starts at 11.30 (Cyprus time) (Starts at 12.30 (Turkey time)	