



HEMATOPOIETIC SYSTEM AND RELATED DISORDERS

YEAR 2 COURSE 3

December 28th, 2015 – February 26th, 2016

Coordinator of the Course 2.2 Asist. Prof., Mümtaz GÜRAN	Coordinator of the Module 2.2 Asist. Prof., Kerem TERALI
Coordinator of Multidisciplinary Students' Lab. Asist. Prof., Kerem TERALI	Coordinator of Clinical Skill Lab. Instructor. Berfu Çerçi ÖNGÜN
Coordinator of Assessment Unite Asist. Prof., Mümtaz GÜRAN, Asist. Prof. Dr. Mevhibe HOCAOĞLU, Asist. Prof., Ayşe ÜLGEN, Asist. Prof., Kerem TERALI	Coordinator of ICS Res. Lab. Asist. Prof. Dr. Mevhibe HOCAOĞLU
Year 2 Coordinators Assoc. Prof., Özgür Kasımay ÇAKIR & Instructor, Burak AKSU	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills(ICS) Coordinators Prof., Sibel SAKARYA, Assoc. Prof., Pemra ÜNALAN
Coordinator of Multidisciplinary Students' Lab. Assoc. Prof., Betül KARADEMİR	Coordinator of Assessment Unite Asist. Prof., Cevdet NACAR
Vice-Chief Coordinators	
Assessment Asist. Prof., Cevdet NACAR	Students' Affairs Asist. Prof., Can ERZİK
Chief Coordinator Assoc. Prof., Hasan YANANLI	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., Ömer GÜNAL

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
- Pediatrics
- Pharmacology
- Physiology
- Public Health

LECTURERS / TUTORS

Alper Yıldırım, Assist. Professor of Physiology
Berfu Çerçi ÖNGÜN, Instructor of Anatomy
Betül KARADEMİR, Assoc. Professor of Biochemistry
Burak AKSU, Asist. Prof. of Microbiology
Can ERZİK, Assist. Professor of Medical Biology
Dilek Akakin, Assoc. Professor of Histology-Embriology
Emine ÖZERİNÇ, Instructor of School of Foreign Languages and Preparatory School
Goncagül HAKLAR, Professor of Biochemistry
Kemal Türköz, Assist. Professor of Pathology
İnci ALİCAN, Professor of Physiology

Osman Kara, Instructor of Internal Medicine
Ömer Doğru, Assist. Professor of Pediatrics
Önder ŞİRİKÇİ, Professor of Biochemistry
Özgür KASIMAY, Assoc. Professor of Physiology
Pemra ÜNALAN, Assoc. Prof. Family Medicine
Pinar ATA, Assoc. Professor of Medical Genetics
Pinar AY, Assoc. Prof. Public Health
Saime BATIREL, Assist. Professor of Biochemistry
Serap ÇİFÇİLİ, Assoc. Prof. Family Medicine
Süheyla BOZKURT, Assoc. Professor of Pathology
Şerife Çelebi, Instructor of School of Foreign Languages

Medine Gülçebi İdriz Oğlu, , Assist. Professor of Pharmacology
 Mehmet AKMAN Assoc. Professor of Family Medicine
 Mümtaz GÜRAN, Assist. Professor of Microbiology
 Nilgün ÇERİKÇİOĞLU, Professor of Microbiology
 Nurver ÜLGER, Professor of Microbiology

and Preparatory School
 Uluhan SİLİ, Assist. Professor of Infectious Diseases
 Ufuk HASDEMİR, Professor of Microbiology
 Ümit ŞEHİRLİ, Professor of Anatomy
 Zafer GÖREN, Professor of Pharmacology

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 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, ç.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	21		21
Medical Biology	2		2
Medical Genetics	2		2
Pathology	5	3	7
Pediatrics	6		6
Pharmacology	6		6
Physiology	5	3	8
Microbiology	7	2	9
Public Health	2		2
Subtotal	79	14	93
PBL Module	8		8

ICS-2: Basic Clinical Skills, Human in Medicine, Students Research Activity	24		24
Communication in Turkish (Foreign Students)	4		4
TOTAL	115	14	129

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
Week-1 (December 28 2015- January 01 2016)		
Monday	December 28	
08:40-09:30		
09:40-10:30	Introduction to the course and opening lecture	Dr. Mümtaz Güran
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	
Tuesday	December 29	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Anatomy of lymphoid organs	Dr. Ümit Şehirli
11:40-12:30	Lymphoid circulation	Dr. Ümit Şehirli
13:40-14:30	Constituents of blood	Dr. Önder Şirikçi
14:40-15:30	Anatomy LAB: Anatomy of lymphoid organs	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Anatomy of lymphoid organs	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30	STUDY TIME	
Wednesday	December 30	
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	December 31	

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	January 01	
08:40-09:30	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		
Week 2 (January 04-08 2016)		
Monday	January 04	
08:40-09:30	Histology of blood	Dr. Dilek Akakin
09:40-10:30	Histology of blood	Dr. Dilek Akakin
10:40-11:30	Hematopoiesis	Dr. Dilek Akakin
11:40-12:30	Lymphoid organs	Dr. Dilek Akakin
13:40-14:30	Lymphoid organs	Dr. Dilek Akakin
14:40-15:30	Development of lymphoid organs	Dr. Dilek Akakin
15:40-16:30	Histology LAB: Blood and Lymphoid organs	Dr. Dilek Akakin
16:40-17:30	Histology LAB: Blood and Lymphoid organs	Dr. Dilek Akakin
Tuesday	January 05	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	Structure and function of white blood cells	Dr. Goncagül Haklar
11:40-12:30	Structure and function of white blood cells	Dr. Goncagül Haklar
13:40-14:30	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
14:40-15:30	Biochemistry of blood coagulation and fibrinolysis	Dr. Goncagül Haklar
15:40-16:30	STUDY TIME	

16:40-17:30	STUDY TIME	
Wednesday	January 06	
08:40-09:30	STUDY TIME	
09:40-10:30	Structure and function of erythrocytes	Dr. Saime Batirel
10:40-11:30	Structure and function of erythrocytes	Dr. Saime Batirel
11:40-12:30	Structure and function of hemoglobin	Dr. Saime Batirel
13:40-14:30	Structure and function of hemoglobin	Dr. Saime Batirel
14:40-15:30	Biochemical aspect of anemia	Dr. Saime Batirel
15:40-16:30	Biochemical aspect of anemia	Dr. Saime Batirel
16:40-17:30	STUDY TIME	
Thursday	January 07	
08:40-09:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
09:40-10:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
10:40-11:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
11:40-12:30	Communication in Turkish-III	Emine Özerinç, Şerife Çelebi
13:40-14:30	Molecular basis of hemoglobinopathies	Dr. Can Erzik
14:40-15:30	DNA diagnosis of hemaglobinopathies	Dr. Can Erzik
15:40-16:30	Genetics of hematological disorders	Dr. Pınar Ata
16:40-17:30	Genetics of hematological disorders	Dr. Pınar Ata
Friday	January 08	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	STUDY TIME	
11:40-12:30	(Case) An adult patient with lymphadenopathies	Dr. Mehmet Akman
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	Biological modifiers	Dr. Medine Gülçebi İdriz Oğlu
16:40-17:30	STUDY TIME	
Week 3 (January 11-15 2016)		
Monday	January 11	
08:40-09:30	STUDY TIME	
09:40-10:30	White and red blood cells	Dr. Özgür Kasımay
10:40-11:30	White and red blood cells	Dr. Özgür Kasımay

11:40-12:30	Blood groups	Dr. Özgür Kasımay
13:40-14:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay, Dr. Alper Yıldırım
14:40-15:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay, Dr. Alper Yıldırım
15:40-16:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay, Dr. Alper Yıldırım
16:40-17:30	STUDY TIME	
Tuesday	January 12	
08:40-09:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay, Dr. Alper Yıldırım
09:40-10:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay, Dr. Alper Yıldırım
10:40-11:30	Physiology LAB: Blood Physiology-Group B	Dr. Özgür Kasımay, Dr. Alper Yıldırım
11:40-12:30	Platelets: Coagulation and fibrinolysis	Dr. İnci Alican
13:40-14:30	Platelets: Coagulation and fibrinolysis	Dr. İnci Alican
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Wednesday	January 13	
08:40-09:30	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger
09:40-10:30	Malaria and other infections due to blood and tissue protozoa	Dr. Nurver Ülger
10:40-11:30	Vector borne diseases	Dr. Burak Aksu
11:40-12:30	Vector borne diseases	Dr. Burak Aksu
13:40-14:30	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
14:40-15:30	Systemic fungal infections	Dr. Nilgün Çerikçioğlu
15:40-16:30	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger, Dr. Mümtaz Güran
16:40-17:30	Microbiology LAB: Diagnosis of hematopoietic system infections	Dr. Nurver Ülger, Dr. Mümtaz Güran
Thursday	January 14	
08:40-09:30	Non-neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
09:40-10:30	Neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
10:40-11:30	Neoplastic disorders of lymph node and spleen	Dr. Süheyla Bozkurt
11:40-12:30	Pathology of bone marrow	Dr. Kemal Türköz
13:40-14:30	Pathology of bone marrow	Dr. Kemal Türköz
14:40-15:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues	Dr. Kemal Türköz
15:40-16:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues	Dr. Kemal Türköz

16:40-17:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues	Dr. Kemal Türköz
Friday	January 15	
08:40-09:30	Introduction to hemolytic anemia's of and mechanism of hemolysis	Dr. Ömer Dođru
09:40-10:30	Hemolytic anemia's due to membrane and enzyme defects	Dr. Ömer Dođru
10:40-11:30	Sickle cell disease	Dr. Ömer Dođru
11:40-12:30		
13:40-14:30	Thalassemias	Dr. Ömer Dođru
14:40-15:30	Hemophilia	Dr. Ömer Dođru
15:40-16:30	Quantitative disorders of platelets	Dr. Ömer Dođru
16:40-17:30	STUDY TIME	
Week 4 (January 18-22 2016)		
Monday	January 18	
08:40-09:30	Epidemiology of diseases spread by arthropod vectors	Dr. Pınar Ay
09:40-10:30	Epidemiology of diseases spread by arthropod vectors	Dr. Pınar Ay
10:40-11:30	PBL-MODULE 1	Dr. Pınar Ay, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaođlu
11:40-12:30	PBL-MODULE 1	Dr. Pınar Ay, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaođlu
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	
Tuesday	January 19	
08:40-09:30	Classification and clinical approach to anemia	Dr. Osman Kara
09:40-10:30	Megaloblastic anemias	Dr. Osman Kara
10:40-11:30	Immune hemolytic anemias	Dr. Osman Kara
11:40-12:30	Non-immune acquired hemolytic anemias	Dr. Osman Kara
13:40-14:30	Transfusion medicine: Blood components	Dr. Osman Kara
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	

16:40-17:30	STUDY TIME	
Wednesday	January 20	
08:40-09:30	Multiple myeloma and other paraproteinemias	Dr. Osman Kara
09:40-10:30	Blood transfusion indications and complications	Dr. Osman Kara
10:40-11:30	PBL-MODULE 2	Dr. Osman Kara, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaoğlu
11:40-12:30	PBL-MODULE 2	Dr. Osman Kara, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaoğlu
13:40-14:30	Reading blood smear (slide show)	Dr. Osman Kara
14:40-15:30	Introduction to hematology, stem cell, and hematopoiesis	Dr. Osman Kara
15:40-16:30	Iron metabolism and iron deficiencies	Dr. Osman Kara
16:40-17:30	Aplastic anemia	Dr. Osman Kara
Thursday	January 21	
08:40-09:30	STUDY TIME	
09:40-10:30	Thrombocytopenias and Immune Thrombocytopenic Purpura	Dr. Osman Kara
10:40-11:30	Myelodysplastic syndrome	Dr. Osman Kara
11:40-12:30	Acquired and congenital thrombophilias	Dr. Osman Kara
13:40-14:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Osman Kara
14:40-15:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Osman Kara
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Friday	January 22	
08:40-09:30	STUDY TIME	
09:40-10:30	Chronic lymphocytic leukemia's (CLL)	Dr. Osman Kara
10:40-11:30	Acute leukemia's: Classification and molecular aspect	Dr. Osman Kara

11:40-12:30	Acute leukemia's: Classification and molecular aspect	Dr. Osman Kara
13:40-14:30	Hodgkin disease and non-Hodgkin lymphomas	Dr. Osman Kara
14:40-15:30	Hodgkin disease and non-Hodgkin lymphomas	Dr. Osman Kara
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Week 5 (February 08-12 2016)		
Monday	February 08	
08:40-09:30	Biochemistry LAB: Examination of red blood cells-Group A	Dr. Betül Karademir, Dr. Saime Batirel, Dr. Kerem Teralı
09:40-10:30	Biochemistry LAB: Examination of red blood cells-Group A	Dr. Betül Karademir, Dr. Saime Batirel, Dr. Kerem Teralı
10:40-11:30	PBL-MODULE 3	Dr. Serap Çiřçili, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaođlu
11:40-12:30	PBL-MODULE 3	Dr. Serap Çiřçili, Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaođlu
13:40-14:30	Biochemistry LAB: Examination of red blood cells-Group B	Dr. Betül Karademir, Dr. Saime Batirel, Dr. Kerem Teralı
14:40-15:30	Biochemistry LAB: Examination of red blood cells-Group B	Dr. Betül Karademir, Dr. Saime Batirel, Dr. Kerem Teralı
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	February 09	
08:40-09:30	STUDY TIME	
09:40-10:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çiřçili
10:40-11:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çiřçili
11:40-12:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çiřçili
13:40-14:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çiřçili
14:40-15:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çiřçili
15:40-16:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr.

		Serap Çifçili
16:40-17:30	STUDY TIME	
Wednesday	February 10	
08:40-09:30	STUDY TIME	
09:40-10:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
10:40-11:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
11:40-12:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
13:40-14:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
14:40-15:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
15:40-16-30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
16:40-17:30	STUDY TIME	
Thursday	February 11	
08:40-09:30	STUDY TIME	
09:40-10:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
10:40-11:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
11:40-12:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
		Dr. Pemra Ünalın, Dr. Serap Çifçili
13:40-14:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
14:40-15:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
15:40-16-30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
16:40-17:30	STUDY TIME	
Friday	February 12	
08:40-09:30	STUDY TIME	
09:40-10:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
10:40-11:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
11:40-12:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr. Serap Çifçili
13:40-14:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünalın, Dr.

		Serap Çifçili
14:40-15:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünal, Dr. Serap Çifçili
15:40-16:30	ICS-2: History Taking and Introduction to Physical Examination Course	Dr. Pemra Ünal, Dr. Serap Çifçili
16:40-17:30	STUDY TIME	
Week 6 (February 15-19 2016)		
Monday	February 15	
08:40-09:30	STUDY TIME	
09:40-10:30	STUDY TIME	
10:40-11:30	PBL-MODULE 4	Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaoğlu
11:40-12:30	PBL-MODULE 4	Dr. Kerem Teralı, Dr. Mümtaz Güran, Dr. Mevhibe Hocaoğlu
13:40-14:30	STUDY TIME	
14:40-15:30	STUDY TIME	
15:40-16:30	STUDY TIME	
16:40-17:30	STUDY TIME	
Tuesday	February 16	
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	Toxoplasmosis	Dr. Ufuk Hasdemir
14:40-15:30	Pharmacotherapy of anemia	Dr. Zafer Gören
15:40-16:30	Pharmacotherapy of malaria	Dr. Zafer Gören
16:40-17:30	STUDY TIME	
Wednesday	February 17	
08:40-09:30	STUDY TIME	
09:40-10:30	Hematopoietic agents: growth factors	Dr. Zafer Gören
10:40-11:30	Heavy metals and antagonists	Dr. Zafer Gören
11:40-12:30	Anticancer Chemotherapy	Dr. Zafer Gören
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	February 18	
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	February 19	
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	
Week 7 (February 22-26 2016)		
Pazartesi	February 22	
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		
Tuesday	February 23	
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	February 24	
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	February 25	
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	February 26	
08:40-09:30		
09:40-10:30	THEORETICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		