

MARMARA UNIVERSITY EASTERN MEDITERRANEAN UNIVERSITY INTERNATIONAL MEDICAL SCHOOL





HEMATOPOIETIC SYSTEM AND RELATED DISORDERS YEAR 2 COURSE 3

December 15th, 2025 - February 12th, 2026

ordinators
Burak AKSU & Assoc. Prof. Mümtaz GÜRAN
Coordinators of Multidiciplinary Students' Lab.
Assoc. Prof. M. Burak AKSU & Assoc. Prof. Ergül Mutlu ALTUNDAĞ
Coordinators of ICS Res. Lab.
Prof. Hasan R. YANANLI & Assist. Prof. İlke AKÇAY
oordinators
Students' Affairs
Asisst. Prof. Can ERZİK
Assist. Prof. İlke AKÇAY
Coordinator of Medical Education Program
Evaluation and Development Commission
Prof. Tunç Öneş
ne Joint Program
eyman ŞEHİRLİ
Dean (MU)
Prof. Ümit Süleyman ŞEHİRLİ

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
- Genetics
- Infectious Diseases
- Medical Biology

- Microbiology
- Pathology
- Pharmacology
- Physiology
- Public Health
- Internal Medicine

LECTURERS / TUTORS

Adnan Acan, Assoc. Prof., Artifical Intelligence In Medicine

Alican Sarısaltık, Assist. Prof., Public Health

Alper Yıldırım, Assoc. Prof., Physiology

Amber Eker Bakkaloğlu, Assoc. Prof., Neurology

Arzu Akşit İlki, Prof., Microbiology

Asu Fergün Yılmaz, Assist. Prof., Internal Medicine

Ayşe Atasoylu, Dr., Lifestyle Medicine

Ayşe Mine Yılmaz Göler, Inst., Medical Biochemistry

Barıs Can, Asist., Prof Medical Microbiology

Berfu Çerçi Öngün, Inst. Dr., Anatomy

Can Erzik., Asst. Prof., Medical Biology

Cemal Gürkan., Inst., Forensic Sciences

Dila Şener Akçora, Assist. Prof., Histology and

Embryology

Dilek Özbeyli, Assoc. Prof., Physiology

Dilek Yağcı Çağlayık, Assoc. Prof., Infectious Diseases

Elvan Sayın, Assist., Prof., Microbiology

Emine Özerinç, Inst., Turkish Language

Ergül Mutlu Altundağ, Assoc., Prof., Medical Biochemistry

Pemra Cöbek Ünalan Prof., Family Medicine

Halil Eren Sakallı, Asst. Prof., Pharmacology

Hasan Toper, Assist. Prof., Pathology

Hatice Boracı Efekan, Asst. Prof., Anatomy

Hazal Dinçyürek, Inst., Health Psychology

Ilke Akçay, Assist. Prof., Biostatistics

Lütfiye Mülazımoğlu Durmuşoğlu, Prof., Infectious Diseases

Mehmet Akman, Prof., Family Medicine

Mehmet Burak Aksu, Assist. Prof., Medical Microbiology

Mümtaz Güran, Assoc. Prof., Microbiology

Nilüfer Güzoğlu, Assoc. Prof., Neonatology

Nur Sevinç, Inst., German for Medical Students

Özge Eker, Inst. Dr., Medical Genetics

Özgür Kasımay, Prof., Physiology

Özlem Tuğçe Kaya, Assoc. Prof., Histology and Embryology

Pinar Ata, Prof., Medical Genetics

Saime Batırel, Assoc. Prof., Medical Biochemistry

Serap Şirvancı, Prof., Histology and Embryology

Sükrü Tüzmen, Prof., Molecular Biology and Genetics

Tayfur Toptaş Assoc. Prof., Internal Medicine

Uluhan Sili, Prof., Infectious Diseases

Ülkü Sur Ünal, Asst. Prof., Family Medicine

Zehra Gültekin Dr. Emergency Medicine

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.
- Kan Hastalıkları, B. Berkarda, Istanbul, <.U. Basım ve Yayınevi, 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. Aster JC (eds). Robbins and Cotran Pathological basis of disease. 8th ed. Philadelphia: Elsevier Saunders. 2010: 589-639.

Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total
Anatomy	2	1	3
Biochemistry	9	2	11
Family Medicine	1		1
Genetics	2		2
Histology and Embryology	6	1	7
Infectious Diseases	4		4
Internal Medicine	25		25
Medical Biology	2		2
Microbiology	9	2	11
Pathology	5	1	6
Pharmacology	5		5
Physiology	5	3	8
Public Health	2		2
Problem Based Learning (PBL)	8		8
Module			
Subtotal*	85	10	95
ICS-2 BCS: Basic Clinical Skills (MEDN261)	8	8	16
ICS-2 HIM: Human in Medicine (MEDN262)	20		20
ICS-2 EBM: Evidence Based Medicine (MEDN263)	2	Basic Clinical Skills (BSC	3
Turkish for Medical Students-III (TFMS201)	20		20
Turkish for Medical Students-III (Interactive session) (TFMS201)			
Elective (AE-02)	10		10
TOTAL*	135** 125	19	154** 144

^{*}Hours/student **For International Students

		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	
		Week – 1 st (15 December – 19 December, 2025)		
Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		15 December		
08:40-09:30	09:40-10:30	Turkish for Medical Students-III	Inst. Emine Özerinç	IN CLASS
09:40-10:30	10:40-11:30	Turkish for Medical Students-III	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish for Medical Students-III	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish for Medical Students-III	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	ICS-2 BCS: Geriatric History taking	Dr. Amber Eker Bakkaloğlu	IN CLASS
14:40-15:30	15:40-16:30	ICS-2 BCS: Geriatric History taking	Dr. Amber Eker Bakkaloğlu	IN CLASS
15:40-16:30	16:40-17:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
16:40-17:30	17:40-18:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS

		(AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)		
Tuesday		16 December		
08:40-09:30	09:40-10:30	Introduction to course	Dr. Mümtaz Güran	IN CLASS
09:40-10:30	10:40-11:30	ICS 2-BCS: Introduction to Physical Examination (IPE)	Dr. Ayşe Atasoylu	IN CLASS
10:40-11:30	11:40-12:30	ICS 2-BCS: Introduction to Physical Examination (IPE)	Dr. Ayşe Atasoylu	IN CLASS
11:40-12:30	12:40-13:30	STUDY TIME		
12:40-13:30	13:40-14:30	Histology of blood	Dr. Özlem Tuğçe Kaya	MS TEAMS
13:40-14:30	14:40-15:30	Histology of blood	Dr. Özlem Tuğçe Kaya	MS TEAMS
14:40-15:30	15:40-16:30	Development of lymphoid organs	Dr. Dila Şener Akçora	MS TEAMS
15:40-16-30	16:40-17:30	Hematopoiesis	Dr. Dila Şener Akçora	MS TEAMS
Wednesday		17 December		
08:40-09:30	09:40-10:30	ICS 2-BCS: Introduction to Physical Examination (IPE)	Dr. Ayşe Atasoylu	IN CLASS
09:40-10:30	10:40-11:30	ICS 2-BCS: Introduction to Physical Examination (IPE)	Dr. Ayşe Atasoylu	IN CLASS
10:40-11:30	11:40-12:30	White and red blood cells	Dr. Özgür Kasımay	IN CLASS
11:40-12:30	12:40-13:30	White and red blood cells	Dr. Özgür Kasımay	IN CLASS
13:40-14:30	14:40-15:30	Blood groups	Dr. Özgür Kasımay	IN CLASS
14:40-15:30	15:40-16:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
15:40-16-30	16:40-17:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
16:40-17:30	17:40-18:30	Physiology LAB: Blood Physiology-Group A	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
Thursday		18 December		
08:40-09:30	09:40-10:30	Y2C2 Committee exam objection discussion sessions	ТВА	IN CLASS/MS TEAMS

09:40-10:30	10:40-11:30		Physiology LAB: Blood Physiology- Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
10:40-11:30	11:40-12:30	Y3C2 COMMITTEE EXAM	Physiology LAB: Blood Physiology- Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
11:40-12:30	12:40-13:30		Physiology LAB: Blood Physiology- Group B	Dr. Özgür Kasımay Dr. Alper Yıldırım	IN CLASS
13:40-14:30	14:40-15:30	Structure and function	n erythrocytes	Dr. Saime Batırel	IN CLASS
14:40-15:30	15:40-16:30	Structure and function	n erythrocytes	Dr. Saime Batırel	IN CLASS
15:40-16-30	16:40-17:30	Biochemical aspect of	anemia	Dr. Saime Batırel	IN CLASS
16:40-17-30	17:40-18:30	Biochemical aspect of	anemia	Dr. Saime Batırel	IN CLASS
Friday		19 December			
08:40-09:30	09:40-10:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
09:40-10:30	10:40-11:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
10:40-11:30	11:40-12:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
11:40-12:30	12:40-13:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
13:40-14:30	14:40-15:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
14:40-15:30	15:40-16:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
15:40-16-30	16:40-17:30	ICS-2 BCS: History Taking and IPE		Dr. Ayse Atasoylu Dr. Amber Eker Dr. Zehra Gültekin	ICS LAB
16:40-17-30	17:40-18:30	ICS-2 BCS: History Tak	ing and IPE	Dr. Ayse Atasoylu Dr. Amber Eker	ICS LAB

			Dr. Zehra Gültekin	
		Week – 2 nd (22 December – 26 December	er, 2025)	
Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		22 December		
08:40-09:30	09:40-10:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
09:40-10:30	10:40-11:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	Constituents of blood	Dr. Ergül Mutlu Altundağ	IN CLASS
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16-30	16:40-17:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
16:40-17-30	17:40-18:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
16:40-17-30	17:40-18:30	STUDY TIME		
Tuesday		23 December		

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08:40-09:30	09:40-10:30	STUDY TIME		
09:40-10:30	10:40-11:30	ICS- 2 EBM: Meeting with mentor*		
10:40-11:30	11:40-12:30	Structure and function of hemoglobin	Dr. Ayşe Mine Yılmaz Göler	MS TEAMS
11:40-12:30	12:40-13:30	Structure and function of hemoglobin	Dr. Ayşe Mine Yılmaz Göler	MS TEAMS
13:40-14:30	14:40-15:30	Anatomy of the lymphoid organs	Dr. Hatice Efekan	IN CLASS
14:40-15:30	15:40-16:30	Lymphoid circulation	Dr. Hatice Efekan	IN CLASS
15:40-16-30	16:40-17:30	Lymphoid organs	Dr. Serap Şirvancı	IN CLASS
16:40-17-30	17:40-18:30	Lymphoid organs	Dr. Serap Şirvancı	IN CLASS
Wednesday		24 December		
08:40-09:30	09:40-10:30	Histology LAB : Blood and Lymphoid organs - Group A	Dr. Serap Şirvancı	IN CLASS
09:40-10:30	10:40-11:30	Histology LAB : Blood and Lymphoid organs - Group B	Dr. Serap Şirvancı	IN CLASS
10:40-11:30	11:40-12:30	Histology LAB: Blood and Lymphoid organs - Group C	Dr. Serap Şirvancı	IN CLASS
11:40-12:30	12:40-13:30	Histology LAB: Blood and Lymphoid organs - Group D	Dr. Serap Şirvancı	IN CLASS
13:40-14:30	14:40-15:30	ICS-2 EBM: Important points in preperation of an Ethical application file	Dr. İlke Akçay	IN CLASS
14:40-15:30	15:40-16:30	ICS-2 EBM: Important points in preperation of an Ethical application file	Dr. İlke Akçay	IN CLASS
15:40-16-30	16:40-17:30	STUDY TIME		
16:40-17-30	17:40-18:30	STUDY TIME		
Thursday		25 December		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30	NOEL GÜNÜ-CHI	RISTMAS DAY	

13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16-30	16:40-17:30			
16:40-17-30	17:40-18:30			
Friday		26 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	Anatomy LAB: Anatomy of lymphoid organs- Group A	Dr. Berfu Çerçi Öngün Dr. Hatice Boracı Efekan	Anatomy Lab
14:40-15:30	15:40-16:30	Anatomy LAB: Anatomy of lymphoid organs- Group B	Dr. Berfu Çerçi Öngün Dr. Hatice Boracı Efekan	Anatomy Lab
15:40-16-30	16:40-17:30	Heavy metals and antagonists	Dr. Halil Eren Sakallı	IN CLASS
16:40-17-30	17:40-18:30	Biotechnology of biologic modifiers	Dr. Halil Eren Sakallı	IN CLASS
		Week – 3 rd (29 December – 02 January	, 2025)	
Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		29 December		
08:40-09:30	09:40-10:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
09:40-10:30	10:40-11:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	PBL- 1: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
14:40-15:30	15:40-16:30	PBL- 1: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz	PBL ROOM

			Dr.Eren Sakallı	
15:40-16-30	16:40-17:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
16:40-17-30	17:40-18:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
Tuesday		30 December		
08:40-09:30	09:40-10:30	Platelets: Coagulation and fibrinolysis	Dr. Dilek Özbeyli	MS TEAMS
09:40-10:30	10:40-11:30	Platelets: Coagulation and fibrinolysis	Dr. Dilek Özbeyli	MS TEAMS
10:40-11:30	11:40-12:30	Viral hemorrhagic diseases	Dr. Dilek Yağcı Çağlayık	MS TEAMS
11:40-12:30	12:40-13:30	STUDY TIME		
13:40-14:30	14:40-15:30	Epidemiology of diseases spread by arthropod vectors	Dr. Alican Sarısaltık	MS TEAMS
14:40-15:30	15:40-16:30	Epidemiology of diseases spread by arthropod vectors	Dr. Alican Sarısaltık	MS TEAMS
15:40-16:30	16:40-17:30	Toxoplasmosis	Dr. Barış Can	MS TEAMS
16:40-17-30	17:40-18:30	STUDY TIME		
Wednesday		31 December		
Wednesday 08:40-09:30	09:40-10:30	31 December		

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10:40-11:30	11:40-12:30				
11:40-12:30	12:40-13:30				
13:40-14:30	14:40-15:30				
14:40-15:30	15:40-16:30				
15:40-16-30	16:40-17:30				
16:40-17-30	17:40-18:30				
Thursday		01 January			
08:40-09:30	09:40-10:30				
09:40-10:30	10:40-11:30				
10:40-11:30	11:40-12:30				
11:40-12:30	12:40-13:30		YILBAŞI	TATILI	
			NEW		
13:40-14:30	14:40-15:30	HOLIDAY			
14:40-15:30	15:40-16:30		11021		
15:40-16-30	16:40-17:30				
16:40-17-30	17:40-18:30				
Friday		02 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	STUDY TIME			
14:40-15:30	15:40-16:30	STUDY TIME			
15:40-16-30	16:40-17:30	STUDY TIME			
16:40-17-30	17:40-18:30	STUDY TIME			

Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		05 January		
08:40-09:30	09:40-10:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
09:40-10:30	10:40-11:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	PBL- 2: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
14:40-15:30	15:40-16:30	PBL- 2: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
15:40-16-30	16:40-17:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
16:40-17-30	17:40-18:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
Tuesday		06 January		

08:40-09:30	09:40-10:30	Infectious mononucleosis	Dr. Uluhan Sili	MS TEAMS
09:40-10:30	10:40-11:30	Infections in immunocompromised host	Dr. Uluhan Sili	MS TEAMS
10:40-11:30	11:40-12:30	Genetics of hematological disorders	Dr. Pınar Ata	MS TEAMS
11:40-12:30	12:40-13:30	Genetics of hematological disorders	Dr. Pınar Ata	MS TEAMS
13:40-14:30	14:40-15:30	ICS- 2 HIM: Social Concepts	Dr. Pemra Cöbek Ünalan	IN CLASS
14:40-15:30	15:40-16:30	ICS- 2 HIM: Social Concepts	Dr. Pemra Cöbek Ünalan	IN CLASS
15:40-16-30	16:40-17:30	ICS- 2 HIM: Social Concepts	Dr. Pemra Cöbek Ünalan	IN CLASS
16:40-17-30	17:40-18:30	ICS- 2 HIM: Social Concepts	Dr. Pemra Cöbek Ünalan	IN CLASS
Wednesday		07 January		
08:40-09:30	09:40-10:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
09:40-10:30	10:40-11:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
10:40-11:30	11:40-12:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
11:40-12:30	12:40-13:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
13:40-14:30	14:40-15:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
14:40-15:30	15:40-16:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
15:40-16-30	16:40-17:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
16:40-17-30	17:40-18:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
Thursday		08 January		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	V1C2 COMMAN	TEE EVANA	
10:40-11:30	11:40-12:30	Y1C2 COMMIT	TEE EXAIVI	
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30	Multi-system zoonosis including tuleremia and brucellosis	Dr. Mehmet Burak Aksu	IN CLASS
14:40-15:30	15:40-16:30	Multi-system zoonosis including tuleremia and brucellosis	Dr. Mehmet Burak Aksu	IN CLASS
15:40-16-30	16:40-17:30	Vector borne diseases	Dr. Mehmet Burak Aksu	IN CLASS
16:40-17-30	17:40-18:30	Vector borne diseases	Dr. Mehmet Burak Aksu	IN CLASS

Friday		09 January		
08:40-09:30	09:40-10:30	Iron metabolism and iron deficiencies	Dr. Asu Fergün Yılmaz	IN CLASS
09:40-10:30	10:40-11:30	Classification and clinical approach to anemia	Dr. Asu Fergün Yılmaz	IN CLASS
10:40-11:30	11:40-12:30	Megaloblastic anemias	Dr. Asu Fergün Yılmaz	IN CLASS
11:40-12:30	12:40-13:30	Immune hemolytic anemias	Dr. Asu Fergün Yılmaz	IN CLASS
12:40-13:30	13:40-14:30			
13:40-14:30	14:40-15:30	Non- immune acquired hemolytic anemias	Dr. Asu Fergün Yılmaz	IN CLASS
14:40-15:30	15:40-16:30	Multiple myeloma and other paraproteinemias	Dr. Asu Fergün Yılmaz	IN CLASS
15:40-16-30	16:40-17:30	Transfusion medicine: Blood components	Dr. Asu Fergün Yılmaz	IN CLASS
16:40-17-30	17:40-18:30	STUDY TIME		
		Week – 5 th (12 January - 16 January,	2026)	
Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		12 January		
08:40-09:30	09:40-10:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
09:40-10:30	10:40-11:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
10:40-11:30	11:40-12:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
11:40-12:30	12:40-13:30	Turkish For Medical Students-III	Inst. Emine Özerinç	IN CLASS
13:40-14:30	14:40-15:30	ICS-2 HIM: HIM - Social Concepts Workshop Exam		IN CLASS
		ICS 2 HIM: HIM Social Concents Workshop		
14:40-15:30	15:40-16:30	ICS-2 HIM: HIM - Social Concepts Workshop Exam		IN CLASS

		(MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)		
16:40-17-30	17:40-18:30	Elective Courses (MDCN118- Molecular Techniques in Medicine) (MDCN134- Climate Change Impacts on Health, Sustainable Living and Medicine) (MDCN181- Forensic Sciences (MDCN314-Introduction to Health Psychology) (AICS361- Artificial Intelligence in Medicine) (GFMS101 - German for Medical Students)	Dr. Şükrü Tüzmen Dr. Özge Eker Dr. Cemal Gürkan Inst. Hazal Dinçyürek Dr. Adnan Acan Inst. Nur Sevinç	IN CLASS
Tuesday		13 January		
08:40-09:30	09:40-10:30	Malaria and other infections due to blood and tissue protozoa	Dr. Elvan Sayın	MS TEAMS
09:40-10:30	10:40-11:30	Malaria and other infections due to blood and tissue protozoa	Dr. Elvan Sayın	MS TEAMS
10:40-11:30	11:40-12:30	Systemic fungal infections	Dr. Arzu Akşit İlki	MS TEAMS
11:40-12:30	12:40-13:30	Systemic fungal infections	Dr. Arzu Akşit İlki	MS TEAMS
13:40-14:30	14:40-15:30	Microbiology LAB: Diagnosis of hematopoietic system infections (Group B)	Dr. Mümtaz Güran	Multidiscipli nary Lab.
14:40-15:30	15:40-16:30	Microbiology LAB: Diagnosis of hematopoietic system infections (Group B)	Dr. Mümtaz Güran	Multidiscipli nary Lab.
15:40-16:30	16:40-17-30	Microbiology LAB: Diagnosis of hematopoietic system infections (Group A)	Dr. Mümtaz Güran	Multidiscipli nary Lab.
16:40-17-30	17:40-18:30	Microbiology LAB: Diagnosis of hematopoietic system infections (Group A)	Dr. Mümtaz Güran	Multidiscipli nary Lab.
Wednesday		14 January		
08:40-09:30	09:40-10:30	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ	IN CLASS
09:40-10:30	10:40-11:30	Structure and function of white blood cells	Dr. Ergül Mutlu Altundağ	IN CLASS
10:40-11:30	11:40-12:30	PBL- 3: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM

11:40-12:30	12:40-13:30	PBL- 3: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
13:40-14:30	14:40-15:30	ICS-2 EBM: Critics with groups about study proposal revisions and Ethical Board Applications (Gr1 & Gr2)	Dr. İlke Akcay	IN CLASS
14:40-15:30	15:40-16:30	ICS-2 EBM: Critics with groups about study proposal revisions and Ethical Board Applications (Gr3 & Gr4)	Dr. İlke Akcay	IN CLASS
15:40-16:30	16:40-17-30	ICS-2 EBM: Critics with groups about study proposal revisions and Ethical Board Applications (Gr5 & Gr6)	Dr. İlke Akcay	IN CLASS
16:40-17-30	17:40-18:30	ICS-2 EBM: Critics with groups about study proposal revisions and Ethical Board Applications (Gr7 & Gr8)	Dr. İlke Akcay	IN CLASS
Thursday		15 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	Sepsis	Dr. Lütfiye Mülazımoğlu Durmuşoğlu	MS TEAMS
12:40-13:30	13:40-14:30			
13:40-14:30	14:40-15:30	Molecular basis of hemoglobinopathies	Dr. Can Erzik	MS TEAMS
14:40-15:30	15:40-16:30	DNA diagnosis of hemoglobinopathies	Dr. Can Erzik	MS TEAMS
15:40-16-30	16:40-17:30	Blood transfusion indications and complications	Dr. Asu Fergün Yılmaz	MS TEAMS
16:40-17-30	17:40-18:30	(Case) An adult patient with lymphadenopathies	Dr. Mehmet Akman	MS TEAMS
Friday		16 January		
08:40-09:30	09:40-10:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
09:40-10:30	10:40-11:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
03.40-10.30				
10:40-11:30	11:40-12:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS

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13:40-14:30	14:40-15:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
14:40-15:30	15:40-16:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
15:40-16:30	16:40-17:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
16:40-17:30	17:40-18:30	ICS- 2: HIM- Arts and Humanities	Dr. Ülkü Sur Ünal	IN CLASS
		Week – 6 th (19 January- 23 January, 2	2026)	
Calendar Days			Instructor Name	Lecture Platform
Cyprus Local Time	Turkey Local Time			
Monday		19 January		
08:40-09:30	09:40-10:30	Biochemistry LAB: Examination of red blood cells (Group A)	Dr.Ergül Mutlu Altundag	Multidiscipli nary Lab.
09:40-10:30	10:40-11:30	Biochemistry LAB: Examination of red blood cells (Group B)	Dr.Ergül Mutlu Altundag	Multidiscipli nary Lab.
10:40-11:30	11:40-12:30	Biochemistry LAB: Examination of red blood cells (Group A)	Dr.Ergül Mutlu Altundag	Multidiscipli nary Lab.
11:40-12:30	12:40-13:30	Biochemistry LAB: Examination of red blood cells (Group B)	Dr.Ergül Mutlu Altundag	Multidiscipli nary Lab.
13:40-14:30	14:40-15:30	Pharmacotheraphy of malaria	Dr. Halil Eren Sakallı	IN CLASS
14:40-15:30	15:40-16:30	PBL- 4: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
15:40-16-30	16:40-17:30	PBL- 4: SALLOW: ANEMIA – Soluk Beniz	Dr.Mümtaz Güran Dr.Ergül Mutlu Altundag Dr.Hüseyin Beyaz Dr.Eren Sakallı	PBL ROOM
16:40-17-30	17:40-18:30	STUDY TIME		
Tuesday		20 January		
08:40-09:30	09:40-10:30	Pathology of bone marrow	Dr. Hasan Toper	IN CLASS
09:40-10:30	10:40-11:30	Pathology of bone marrow	Dr. Hasan Toper	IN CLASS
10:40-11:30	11:40-12:30	Neoplastic disorders of lymph node and slpeen	Dr. Hasan Toper	IN CLASS

11:40-12:30	12:40-13:30	Neoplastic disorders of lymph node and slpeen	Dr. Hasan Toper	IN CLASS
13:40-14:30	14:40-15:30	Non- neoplastic disorders of lymph node and spleen	Dr. Hasan Toper	IN CLASS
14:40-15:30	15:40-16:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues- Group A	Dr. Hasan Toper	IN CLASS
15:40-16-30	16:40-17:30	Pathology LAB: Pathology of bone marrow and lymphoid tissues- Group B	Dr. Hasan Toper	IN CLASS
16:40-17-30	17:40-18:30	STUDY TIME		
Wednesday		21 January		
08:40-09:30	09:40-10:30	Introduction to hematology, stem cell, and hematopoiesis	Dr. Tayfur Toptaş	IN CLASS
09:40-10:30	10:40-11:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tayfur Toptaş	IN CLASS
10:40-11:30	11:40-12:30	Myeloproliferative disorders: CML, Polycythemia Vera, essential thrombocytosis and primary myelofibrosis	Dr. Tayfur Toptaş	IN CLASS
11:40-12:30	12:40-13:30	Thrombocytopenias and immune thrombocytopenic purpura	Dr. Tayfur Toptaş	IN CLASS
12:40-13:30	13:40-14:30			
13:40-14:30	14:40-15:30	Lympocytosis and Chronic lymphocytic leukemia's (CLL)	Dr. Tayfur Toptaş	IN CLASS
14:40-15:30	15:40-16:30	Hodgkin diease and non- Hodgkin lyphomas	Dr. Tayfur Toptaş	IN CLASS
15:40-16-30	16:40-17:30	Hodgkin diease and non- Hodgkin lyphomas	Dr. Tayfur Toptaş	IN CLASS
16:40-17-30	17:40-18:30	STUDY TIME		
Thursday		22 January		
08:40-09:30	09:40-10:30	Reading blood smear (slide show)	Dr. Tayfur Toptaş	IN CLASS
09:40-10:30	10:40-11:30	Introduction to hemolytic anemia's of and mechanism of hemolysis	Dr. Tayfur Toptaş	IN CLASS
10:40-11:30	11:40-12:30	Hemolytic anemia's due to membrane and enzyme defects	Dr. Tayfur Toptaş	IN CLASS
		Thalassemias	Dr. Tayfur Toptaş	IN CLASS

13:40-14:30	14:40-15:30	Sickle cell disease	Dr. Tayfur Toptaş	IN CLASS
14:40-15:30	15:40-16:30	Bone marrow failure diseases	Dr. Tayfur Toptaş	IN CLASS
15:40-16-30	16:40-17:30	Acute leukemia	Dr. Tayfur Toptaş	IN CLASS
16:40-17-30	17:40-18:30	Anticancer chemotherapy	Dr. Halil Eren Sakallı	IN CLASS
Friday		23 January		
08:40-09:30	09:40-10:30	Hemophilia	Dr. Tayfur Toptaş	IN CLASS
09:40-10:30	10:40-11:30	Quantitative disorders of the platelets	Dr. Tayfur Toptaş	IN CLASS
10:40-11:30	11:40-12:30	Acquired and congenital thrombophilias	Dr. Tayfur Toptaş	IN CLASS
11:40-12:30	12:40-13:30	Pharmacotheraphy of anemia	Dr. Halil Eren Sakallı	IN CLASS
13:40-14:30	14:40-15:30	ICS-2 BCS: Simulated Patient Feedback session	Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
14:40-15:30	15:40-16:30	ICS-2 BCS: Simulated Patient Feedback session	Dr. Ayşe Atasoylu Dr. Amber Eker	IN CLASS
15:40-16-30	16:40-17:30	STUDY TIME		
16:40-17-30	17:40-18:30	STUDY TIME		
		Week – 7 th (09 February– 13 February	, 2026)	
Calendar Days		Week – 7 th (09 February– 13 February, Instructor Name	, 2026) Lecture Platform	
	Turkey Local Time		•	
Days Cyprus Local	-		•	
Days Cyprus Local Time	-	Instructor Name	•	
Cyprus Local Time Monday	Time	Instructor Name	•	
Cyprus Local Time Monday 08:40-09:30	Time 09:40-10:30	Instructor Name	•	
Cyprus Local Time Monday 08:40-09:30 09:40-10:30	09:40-10:30 10:40-11:30	Instructor Name	•	
Days Cyprus Local Time Monday 08:40-09:30 09:40-10:30 10:40-11:30	09:40-10:30 10:40-11:30 11:40-12:30	Instructor Name	•	
Days Cyprus Local Time Monday 08:40-09:30 09:40-10:30 10:40-11:30	09:40-10:30 10:40-11:30 11:40-12:30	Instructor Name	•	
Days Cyprus Local Time Monday 08:40-09:30 09:40-10:30 10:40-11:30 11:40-12:30	09:40-10:30 10:40-11:30 11:40-12:30 12:40-13:30	Instructor Name	•	
Days Cyprus Local Time Monday 08:40-09:30 09:40-10:30 10:40-11:30 11:40-12:30	10:40-10:30 10:40-11:30 11:40-12:30 12:40-13:30	Instructor Name	•	
Days Cyprus Local Time Monday 08:40-09:30 09:40-10:30 10:40-11:30 11:40-12:30 13:40-14:30 14:40-15:30	09:40-10:30 10:40-11:30 11:40-12:30 12:40-13:30 14:40-15:30 15:40-16:30	Instructor Name	•	

Tuesday		10 February		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30			
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30			
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16-30	16:40-17:30			
16:40-17-30	17:40-18:30			
Wednesday		11 February		
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	STUDY TIME		
14:40-15:30	15:40-16:30	STUDY TIME		
15:40-16-30	16:40-17:30	STUDY TIME		
16:40-17-30	17:40-18:30	STUDY TIME		
Thursday		12 February		
08:40-09:30	09:40-10:30			
09:40-10:30	10:40-11:30	Y2C3 COMMITTEE EXAM		
10:40-11:30	11:40-12:30			
11:40-12:30	12:40-13:30	Committee Exam Feedback Session	Dr.Mümtaz Güran	IN CLASS
13:40-14:30	14:40-15:30			
14:40-15:30	15:40-16:30			
15:40-16-30	16:40-17:30			

16:40-17-30	17:40-18:30		
Friday		13 February	
08:40-09:30	09:40-10:30		
09:40-10:30	10:40-11:30		
10:40-11:30	11:40-12:30		
11:40-12:30	12:40-13:30		
13:40-14:30	14:40-15:30		
14:40-15:30	15:40-16:30		
15:40-16-30	16:40-17:30		
16:40-17-30	17:40-18:30		