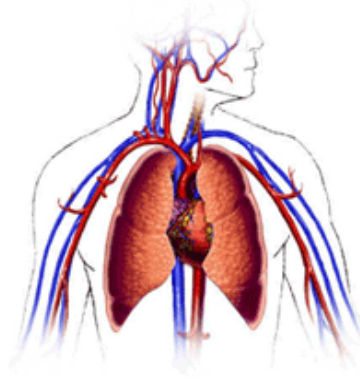


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**MARMARA UNIVERSITY – EASTERN MEDITERRANEAN
UNIVERSITY INTERNATIONAL MEDICAL SCHOOL**



**CARDIOVASCULAR SYSTEM AND RELATED DISORDERS
YEAR 3 COURSE 1
September 1st, 2025 – October 15th, 2025**

Year 3 Coordinators

Prof. Arzu Akşit İLKİ & Prof. Pınar Mega TİBER & Assist. Prof. Hatice BORACI EFEKAN

PBL Module Coordinator

Prof. Rezzan GÜLHAN & Inst. Hüseyin BEYAZ

Coordinator of Multidisciplinary Students' Lab.

Assoc. Prof. Burak Aksu & Assoc. Prof. Ergül
Mutlu ALTUNDAĞ

Coordinator of Clinical Skill Lab.

Prof. Hasan R. YANANLI & Dr. Zehra GÜLTEKİN

Coordinator of ICS Res. Lab.

Prof. Hasan R. YANANLI & Assist. Prof. İlke AKÇAY

Vice-Chief Coordinators

Assessment

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

Student Affairs

Asist. Prof. Can ERZİK
Assist. Prof. İlke AKÇAY

Chief Coordinator

Prof. Hasan R. YANANLI & Assoc. Prof. Amber EKER

**Coordinator of Medical Education Program
Evaluation and Development Commission**

Prof. Tunç ÖNEŞ

Coordinator of the Joint Program

Prof. Süleyman Ümit ŞEHİRLİ

Dean (EMU)

Prof. Nilüfer GÜZOĞLU

Dean (MU)

Prof. Süleyman Ümit ŞEHİRLİ

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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 4: Growth, Development, Mental Health and Related Disorders

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Year 3, Course 1: Cardiovascular System and Related Disorders	
CARDIOVASCULAR SYSTEM AND RELATED DISORDERS	
AIM and LEARNING OBJECTIVES of COURSE Aim: With an interdisciplinary approach, to learn about the morphology and functions of the cardiovascular system, about the principles of circulation and to correlate the pathophysiological mechanisms with the diseases of the cardiovascular system. Learning Objectives: At the end of this course, third year students will, ○ To learn the morphology of the heart and the vessels ○ To describe the basic mechanisms of circulation ○ To define and discuss the factors impairing the normal function of the cardiovascular system and their pathological reflections on the occurrence of the diseases ○ To learn the major symptoms and signs of the cardiovascular diseases and the principles of therapeutic approaches ○ To learn the methods of the prevention from the cardiovascular diseases and its epidemiological importance as related with the mortality and morbidity in the population	
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 the course Course examination: Written exam at the end of the course	PROGRAM EVALUATION Evaluation at the end of the course, is done both orally and by using structured evaluation forms
DEPARTMENTS PARTICIPATING IN COURSE-3.1.	
• Anatomy • Biochemistry • Biophysics • Cardiology • Cardiovascular Surgery • Family Medicine • Histology and Embryology • Medical Genetics	• Microbiology • Nuclear Medicine • Pathology • Pediatric Cardiology • Physiology • Pharmacology • Public Health • Radiology
LECTURERS / TUTORS	
Alper Yıldırım, Prof., Physiology Amber Eker, Assoc. Prof., Neurology Ahmet Akıcı, Prof., Pharmacology Ahmet Altuğ Çınçın, Prof., Cardiology Ahmet Anıl Şahin, Assoc. Prof., Cardiology Arzu Akşit İlki, Prof., Microbiology Banu Aydın Omay, Assoc. Prof., Biophysics Berfu Çerçi Öngün, Inst., Anatomy	Hülya Cabadak, Prof., Biophysics Hüseyin Kemal Türköz, Prof., Pathology İlke Akçay, Assist. Prof., Biostatistics İpek Erbarut, Assoc. Prof., Pathology Mehmet Ali Söylemez, Assist. Prof., Medical Genetics Nimet Emel Lüleci, Prof., Public Health Nilüfer Güzoğlu, Prof., Neonatology Önder Şirikçi, Prof., Biochemistry

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Berna Terzioğlu Bebitoğlu, Prof., Pharmacology
Beste Özben Sadıç, Prof., Cardiology
Bülent Mutlu, Prof., Cardiology
Cevdet Nacar, Assoc. Prof., Biophysics
Efe Soydemir, Assist. Prof., Radiology
Emine Özerinç, Inst., Turkish Language
Erdi Sözen, Assist. Prof., Biochemistry
Figen Akalın, Prof., Pediatric Cardiology
Koray Ak, Prof., Cardiovascular Surgery
Halil Ataş, Prof., Cardiology
Halil Eren Sakallı, Assist. Prof., Pharmacology
Halil Turgut Turoğlu, Prof., Nuclear Medicine
Hatice Efehan, Assist. Prof., Anatomy

Özlem Tuğçe Kaya, Assoc. Prof., Histology
Özgür Kasımay, Prof., Physiology
Pemra Ünal, Prof., Family Medicine
Pınar Mega Tiber, Prof., Biophysics
Saime Batirel, Assoc. Prof., Biochemistry
Ülkü Sur Ünal, Assist. Prof., Family Medicine
Ümit Süleyman Şehirli, Prof., Anatomy
Yekta Çulpan, Assist. Prof., Pharmacology
Yusuf Emre Gürel, Prof. Cardiology
Zafer Gören, Prof., Pharmacology
Zehra Gultekin, Dr., Emergency Medicine
Zeliha Leyla Cinel, Prof., Pathology

READING / STUDYING MATERIALS

- Pocket Guide to ECG Diagnosis, Edward K.Chung, First edition, Blackwell Science.
- Chou's Electrocardiography in Clinical Practice, 6th edition, Surawicz, Kinilans, 2008, Saunders, Elsevier.
- Clinical Cardiology, Lange Medical Books, Melvin D. Cheitlin, Maurice Sokolow, Malcolm B. Mc Ilroy.
- Cardiac Imaging Secrets, Elsevier Neil J. Weissman MD, Gabriel A. Adelman MD, 2004.
- Clinical Electrocardiography, Ary L. Goldberger, Simplified Approach Mosby-Elsevier, 2008.
- Drugs for the Heart, Lionel H. Opie, Bernard J. Gersh 7th Edition, Saunders Elsevier.
- Current Diagnosis and Treatment in Cardiology, Michael Crawford Lange Medical Books, McGraw Hill, 2006.
- Clinical Skills, Bouchier and Morris, Saunders.
- Braunwald Heart Disease, 8th Edition, W. B. Saunders, Eugene Braunwald, Douglas P.Zipes, Peter Libby, 2012.
- Kardiyoloji, Editörler: İsfendiyar Candan, Derviş Oral, Ankara Üniversitesi, Tıp Fakültesi Yayınları.
- Klinik Kardiyoloji, Hasan Gök, Nobel Kitabevi, 2002.
- Lecture Notes on Cardiology, Huon H Gray, Keith H Dawkins, John M. Morgan, T. Simpson, 4th Edition Blackwell Science.
- Lecture Notes on Clinical Skills, Robert Turner, Roger Blackwood, 3rd Edition, Blackwell Science, 2003.
- Pathophysiology of Heart Disease, Leonard S. Lilly, Lea & Febiger, 2008.
- Manual of Cardiovascular Medicine, 3rd Edition, Brian P Griffin, Eric J. Topol, Lippincott Williams & Wilkins, 2004.
- Cardiovascular Diagnosis The Initial Examination, J. Willis Hurst Mosby Wolfe Medical Communication, 2004.
- Cardiac Drug Therapy, M. Gabriel Kahn, 6th Edition, Saunders.
- Handbook of Cardiovascular Emergencies, 2nd Edition, James W. Hoekstra, Lippincott Williams Wilkins.
- Hurst's The Heart, Manual of Cardiology, 10th Edition, Robert A. O'Rourke, Valentin Fuster, R.Wayne Alexander.
- Cardiovascular Physiology Lange Physiology Series, David E. Rohrman, Louis J. Heller, 6th Edition, 2006.
- A Pocket Guide to Physical Examination and History Taking, Barbara Bates J. B., Lippincott.
- Kardiyoloji Modern Semiyoloji, Prof. Dr. Dinçer Uçak, Nobel Kitabevi, 2003.
- A Colour Atlas of Physical Signs in Cardiovascular Disease, L. M. Shapiro, K. M. Fox Wolfe Medical Publication.
- Netter's Cardiology, Marschall S Runge, Magnus Ohman, Icon Learning Systems 2004.

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SUMMARY OF THE COURSE 3.1.			
Discipline	Lecture & Group Discussion	Multidisciplinary Lab. & Clinical Skills Lab. Practice	Total*
Anatomy	4	1	5
Biochemistry	10		10
Biophysics	7		7
Cardiology	27		27
Cardiovascular Surgery	1		1
Family Medicine	2		2
Histology and Embryology	5	2	7
Medical Genetics	1		1
Microbiology	1		1
Nuclear Medicine	1		1
Pathology	7	1	8
Pediatric Cardiology	5		5
Physiology	17	3	20
Pharmacology	12		12
Public Health	1		1
Radiology	1		1
PBL Module	8		8
Subtotal*	110	7	117
ICS-3 Clinical Skills Laboratory (ICS-3 CSL) (MDN3706)	8	4	12
ICS-3 Student Research Activity (ICS-3 SRA) (MDN3707)	4	1	5
Turkish for Medical Students – IV**	24	(Interactive Session)	24
Elective Courses	8		8
TOTAL*	146**	12	158**
	132		142

*Hours/Student

** For International Students

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		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	
1st Week (01– 05 September, 2025)				
	Calendar Days	Instructor Name	Lecture Platform	
Monday	01 September			
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	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS	
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS	
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS	
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS	
Tuesday	02 September			
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	Histology of the heart	Dr. Özlem Tuğçe Kaya	IN CLASS	
15:40-16:30	Histology of blood vessels	Dr. Özlem Tuğçe Kaya	IN CLASS	
16:40-17:30	Histology of blood vessels	Dr. Özlem Tuğçe Kaya	IN CLASS	
Wednesday	03 September			
08:40-09:30	STUDY TIME			
09:40-10:30	STUDY TIME			
10:40-11:30	Histology LAB: Histology of heart, blood vessels	Dr. Özlem Tuğçe Kaya	Multidisciplinary Lab.	
11:40-12:30	Histology LAB: Histology of heart, blood vessels	Dr. Özlem Tuğçe Kaya	Multidisciplinary Lab.	

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13:40-14:30	Heart and pericardium	Dr. Ümit Süleyman Şehirli	IN CLASS
14:40-15:30	Heart and pericardium	Dr. Ümit Süleyman Şehirli	IN CLASS
15:40-16:30	Heart and pericardium	Dr. Ümit Süleyman Şehirli	IN CLASS
16:40-17:30	Anatomy of the vessels (arterial and venous system)	Dr. Ümit Süleyman Şehirli	IN CLASS
Thursday	04 September		
08:40-09:30	RELIGIOUS 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			
Friday	05 September		
08:40-09:30	STUDY TIME		
09:40-10:30	Electrical fields, potential at a point	Dr. Cevdet Nacar	MS TEAMS
10:40-11:30	Epidemiology of cardiovascular diseases	Dr. Nimet Emel Lüleci	MS TEAMS
11:40-12:30	Genetic basis of the cardiovascular diseases	Dr. Mehmet Ali Söylemez	MS TEAMS
13:40-14:30	Hyperlipidemias and atherosclerosis	Dr. Erdi Sözen	MS TEAMS
14:40-15:30	Hyperlipidemias and atherosclerosis	Dr. Erdi Sözen	MS TEAMS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
2nd Week (08– 12 September, 2025)			
	Calendar Days	Instructor Name	Lecture Platform
Monday	08 September		
08:40-09:30	STUDY TIME		

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09:40-10:30	Introduction to the course and opening lecture	Dr. Amber Eker Bakkaloğlu	IN CLASS
10:40-11:30	ICS-3 SRA: Students Research Activity (SRA) Introduction and Orientation to ICS-3 SRA. Informing about the aims and objectives of the ICS-3 SRA through 2025-26	Dr. İlke Akçay	IN CLASS
11:40-12:30	ICS-3 SRA: Feedback from last year	Dr. İlke Akçay	IN CLASS
13:40-14:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
Tuesday	09 September		
08:40-09:30	STUDY TIME		
09:40-10:30	ICS-3: Introduction to MEDN361 Basic Medical Practice (ICS-3 BMP) and MEDN362 Clinical Skills Laboratory (ICS-2 CSL)	Dr. Amber Eker Dr. Zehra Gültekin	IN CLASS
10:40-11:30	Physiological properties of the cardiac muscle	Dr. Alper Yıldırım	IN CLASS
11:40-12:30	Regulation of cardiac functions	Dr. Alper Yıldırım	IN CLASS
13:40-14:30	Regulation of blood pressure	Dr. Alper Yıldırım	IN CLASS
14:40-15:30	Regulation of blood pressure	Dr. Alper Yıldırım	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Wednesday	10 September		
08:40-09:30	Arterial pulse	Dr. Özgür Kasımay	IN CLASS
09:40-10:30	Regulation of blood flow	Dr. Özgür Kasımay	IN CLASS
10:40-11:30	Heart sounds	Dr. Özgür Kasımay	IN CLASS
11:40-12:30	Circulation through specific organs	Dr. Özgür Kasımay	IN CLASS
13:40-14:30	Cardiac output	Dr. Alper Yıldırım	IN CLASS
14:40-15:30	Coronary circulation	Dr. Alper Yıldırım	IN CLASS
15:40-16:30	Cardiac cycle	Dr. Alper Yıldırım	IN CLASS

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16:40-17:30	Cardiac cycle	Dr. Alper Yıldırım	IN CLASS
Thursday	11 September		
08:40-09:30	Principles of ECG	Dr. Özgür Kasımay	IN CLASS
09:40-10:30	Principles of ECG	Dr. Özgür Kasımay	IN CLASS
10:40-11:30	ECG and its interpretation	Dr. Özgür Kasımay	IN CLASS
11:40-12:30	Screening and exercise prescription for healthy life	Dr. Özgür Kasımay	IN CLASS
13:40-14:30	Physiology LAB: ECG-1 (Group A)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
14:40-15:30	Physiology LAB: ECG-1 (Group B)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
15:40-16:30	Physiology LAB: ECG-1 (Group C)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
16:40-17:30	Physiology LAB: ECG-1 (Group D)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
Friday	12 September		
08:40-09:30	Ageing physiology	Dr. Özgür Kasımay	IN CLASS
09:40-10:30	Physiology LAB: Blood pressure, heart sounds, pulse (Group A, B)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
10:40-11:30	Physiology LAB: Blood pressure, heart sounds, pulse (Group C, D)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
11:40-12:30	Physiology LAB: ECG-2 (Group D)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
13:40-14:30	Physiology LAB: ECG-2 (Group C)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
14:40-15:30	Physiology LAB: ECG-2 (Group B)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
15:40-16:30	Physiology LAB: ECG-2 (Group A)	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
16:40-17:30	STUDY TIME		
3rd Week (15 – 19 September, 2025)			
	Calendar Days	Instructor Name	Lecture Platform

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Monday	15 September		
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	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
Tuesday	16 September		
08:40-09:30	Principal symptom and general signs in cardiovascular disease	Dr. Ahmet Anıl Şahin	IN CLASS
09:40-10:30	Principal symptom and general signs in cardiovascular disease	Dr. Ahmet Anıl Şahin	IN CLASS
10:40-11:30	Examination of the heart and vessels	Dr. Ahmet Anıl Şahin	IN CLASS
11:40-12:30	Examination of the heart and vessels	Dr. Ahmet Anıl Şahin	IN CLASS
13:40-14:30	Anatomy LAB: Heart and pericardium – Group A	Dr. Berfu Çerçi Öngün Dr. Hatice Efehan	Anatomy Lab
14:40-15:30	Anatomy LAB: Heart and pericardium – Group B	Dr. Berfu Çerçi Öngün Dr. Hatice Efehan	Anatomy Lab
15:40-16:30	PBL-1	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	PBL-1	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
Wednesday	17 September		
08:40-09:30	Coronary artery disease	Dr. Halil Ataş	IN CLASS
09:40-10:30	Coronary artery disease	Dr. Halil Ataş	IN CLASS
10:40-11:30	Heart failure and cardiogenic shock	Dr. Halil Ataş	IN CLASS

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11:40-12:30	Heart failure and cardiogenic shock	Dr. Halil Ataş	IN CLASS
13:40-14:30	Pulmonary hypertension in cardiology	Dr. Halil Ataş	IN CLASS
14:40-15:30	Acute coronary syndrome	Dr. Halil Ataş	IN CLASS
15:40-16:30	Acute coronary syndrome	Dr. Halil Ataş	IN CLASS
16:40-17:30	STUDY TIME		
Thursday	18 September		
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	ICS-3 SRA: Theme, Assessment, Timeline and Schedule of the Year	Dr. İlke Akçay	IN CLASS
14:40-15:30	ICS-3 SRA: Informing about Ethical Board Application Process	Dr. İlke Akçay	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Friday	19 September		
08:40-09:30	Artherosclerosis & hypertensive cardiovascular events	Dr. Zeliha Leyla Cinel	MS TEAMS
09:40-10:30	Artherosclerosis & hypertensive cardiovascular events	Dr. Zeliha Leyla Cinel	MS TEAMS
10:40-11:30	Vasculitis	Dr. Zeliha Leyla Cinel	MS TEAMS
11:40-12:30	STUDY TIME		
13:40-14:30	Introduction to cardiovascular pharmacology	Dr. Zafer Gören	MS TEAMS
14:40-15:30	Microbiological approach to cardiovascular infections	Dr. Arzu Akşit İlki	MS TEAMS
15:40-16:30	Radiology of the cardiovascular system	Dr. Efe Soydemir	MS TEAMS
16:40-17:30	STUDY TIME		

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	Calendar Days	Instructor Name	Lecture Platform
Monday	22 September		
08:40-09:30	Approach to thromboembolic disorders	Dr. Koray Ak	MS TEAMS
09:40-10:30	Adult patient with chest pain. Primary care approach	Dr. Ülkü Sur Ünal	MS TEAMS
10:40-11:30	Vascular events	Dr. Erdi Sözen	MS TEAMS
11:40-12:30	STUDY TIME		
13:40-14:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
	Elective Courses		
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
	Elective Courses		
Tuesday	23 September		
08:40-09:30	STUDY TIME		
09:40-10:30	Biochemical aspects of the metabolic syndrome	Dr. Saime Batirel	IN CLASS
10:40-11:30	Biochemical aspects of the metabolic syndrome	Dr. Saime Batirel	IN CLASS
11:40-12:30	Lipoprotein metabolism	Dr. Saime Batirel	IN CLASS
13:40-14:30	Lipoprotein metabolism	Dr. Saime Batirel	IN CLASS
14:40-15:30	Lipoprotein metabolism	Dr. Saime Batirel	IN CLASS
15:40-16:30	PBL-2	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	PBL-2	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
Wednesday	24 September		
08:40-09:30	STUDY TIME		
09:40-10:30	Ischaemic heart disease	Dr. İpek Erbarut	IN CLASS

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10:40-11:30	Ischaemic heart disease	Dr. İpek Erbarut	IN CLASS
11:40-12:30	Pathology LAB: Heart and valvular diseases – Group A	Dr. İpek Erbarut	Multidisciplinary Lab.
13:40-14:30	Pathology LAB: Heart and valvular diseases – Group B	Dr. İpek Erbarut	Multidisciplinary Lab.
14:40-15:30	Pharmacotherapy in peripheral arterial and venous occlusive diseases	Dr. Halil Eren Sakallı	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
Thursday	25 September		
08:40-09:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
14:40-15:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
15:40-16:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
16:40-17:30	ICS-3 CSL: Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
Friday	26 September		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	STUDY TIME		
11:40-12:30	ICS-3 SRA: Meeting with mentor	* Research groups are expected to meet their mentors during these	

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		hours. If the mentor's schedule is not available, another suitable time can be arranged.	
13:40-14:30	Cardiac injury and markers	Dr. Önder Şirikçi	IN CLASS
14:40-15:30	Cardiac injury and markers	Dr. Önder Şirikçi	IN CLASS
15:40-16:30	Pharmacotherapy of heart failure	Dr. Halil Eren Sakallı	IN CLASS
16:40-17:30	Pharmacotherapy of heart failure	Dr. Halil Eren Sakallı	IN CLASS
5th Week (29 September - 03 October, 2025)			
	Calendar Days	Instructor Name	Lecture Platform
Monday	29 September		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	Viscosity, laminar and turbulent flow	Dr. Pınar Mega Tiber	MS TEAMS
11:40-12:30	The role of gravity in the circulation	Dr. Pınar Mega Tiber	MS TEAMS
13:40-14:30	Turkish For Medical Students-IV	Inst. Emine Özeringç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özeringç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özeringç	IN CLASS
	Elective Courses		
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özeringç	IN CLASS
	Elective Courses		
Tuesday	30 September		
08:40-09:30	Systematic hypertension and hypertensive heart disease	Dr. Beste Özben Sağdıç	IN CLASS
09:40-10:30	Systematic hypertension and hypertensive heart disease	Dr. Beste Özben Sağdıç	IN CLASS
10:40-11:30	Valvular heart disease	Dr. Beste Özben Sağdıç	IN CLASS
11:40-12:30	Valvular heart disease	Dr. Beste Özben Sağdıç	IN CLASS
13:40-14:30	Cardiovascular diseases in special populations	Dr. Beste Özben Sağdıç	IN CLASS
14:40-15:30	PBL-3	Dr. Amber Eker	PBL ROOM

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		Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	
15:40-16:30	PBL-3	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	STUDY TIME		
Wednesday	01 October		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	Approach to the patient with cardiovascular system disease	Dr. Ahmet Altuğ Çinçin	MS TEAMS
11:40-12:30	Pericarditis	Dr. Ahmet Altuğ Çinçin	MS TEAMS
13:40-14:30	Diagnostic methods in cardiology	Dr. Bülent Mutlu	MS TEAMS
14:40-15:30	Diagnostic methods in cardiology	Dr. Bülent Mutlu	MS TEAMS
15:40-16:30	Cardiomyopathies and myocarditis	Dr. Bülent Mutlu	MS TEAMS
16:40-17:30	STUDY TIME		
Thursday	02 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Fluid Mechanics	Dr. Banu Aydın Omay	MS TEAMS
10:40-11:30	Fluid Mechanics	Dr. Banu Aydın Omay	MS TEAMS
11:40-12:30	Elderly patient with leg pain: Primary care approach	Dr. Pemra Cöbek Ünalın	MS TEAMS
13:40-14:30	Pharmacotherapy of ischemic heart disease and MI	Dr. Yekta Çulpan	MS TEAMS
14:40-15:30	Pharmacotherapy of ischemic heart disease and MI	Dr. Yekta Çulpan	MS TEAMS
15:40-16:30	Myocardial scintigraphy and radionuclide ventriculography	Dr. Halil Turgut Turoğlu	MS TEAMS
16:40-17:30	STUDY TIME		
Friday	03 October		
08:40-09:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB

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		Inst. Kadir Çakıral	
09:40-10:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
10:40-11:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
11:40-12:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
13:40-14:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
14:40-15:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
15:40-16:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB
16:40-17:30	ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker Inst. Kadir Çakıral	ICS LAB

6th Week (06– 10 October, 2025)

	Calendar Days	Instructor Name	Lecture Platform
Monday	06 October		
08:40-09:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı	IN CLASS
09:40-10:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı	IN CLASS
10:40-11:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı	IN CLASS
11:40-12:30	Pharmacotherapy of hyperlipidemias	Dr. Ahmet Akıcı	IN CLASS
13:40-14:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS
	Elective Courses		
16:40-17:30	Turkish For Medical Students-IV	Inst. Emine Özerinç	IN CLASS

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	Elective Courses		
Tuesday	07 October		
08:40-09:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Berna Terzioğlu Bebitoğlu	MS TEAMS
09:40-10:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Berna Terzioğlu Bebitoğlu	MS TEAMS
10:40-11:30	Neoplastic diseases of the heart & blood vessels	Dr. Hüseyin Kemal Türköz	MS TEAMS
11:40-12:30	Valvular diseases of the heart	Dr. Hüseyin Kemal Türköz	MS TEAMS
13:40-14:30	Cardiac action potentials	Dr. Hülya Cabadak	MS TEAMS
14:40-15:30	Development of the cardiovascular system	Dr. Özlem Tuğçe Kaya	MS TEAMS
15:40-16:30	Development of the cardiovascular system	Dr. Özlem Tuğçe Kaya	MS TEAMS
16:40-17:30	STUDY TIME		
Wednesday	08 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Clinical electrocardiography	Dr. Yusuf Emre Gürel	IN CLASS
10:40-11:30	Clinical electrocardiography	Dr. Yusuf Emre Gürel	IN CLASS
11:40-12:30	Syncope and sudden cardiac death	Dr. Yusuf Emre Gürel	IN CLASS
13:40-14:30	Cardiac dysrhythmias	Dr. Yusuf Emre Gürel	IN CLASS
14:40-15:30	Cardiac dysrhythmias	Dr. Yusuf Emre Gürel	IN CLASS
15:40-16:30	Diseases of the aorta and the peripheral blood vessels	Dr. Yusuf Emre Gürel	IN CLASS
16:40-17:30	STUDY TIME		
Thursday	09 October		
08:40-09:30	STUDY TIME		
09:40-10:30	Congenital acyanotic heart disease with left to right shunt	Dr. Figen Akalın	IN CLASS
10:40-11:30	Congenital cyanotic heart disease	Dr. Figen Akalın	IN CLASS
11:40-12:30	Congenital heart disease with valvular obstruction or stenosis	Dr. Figen Akalın	IN CLASS

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13:40-14:30	Acute rheumatic fever	Dr. Figen Akalın	IN CLASS
14:40-15:30	Acute rheumatic fever	Dr. Figen Akalın	IN CLASS
15:40-16:30	PBL-4	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	PBL-4	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
Friday	10 October		
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		
7th Week (13– 17 October, 2025)			
	Calendar Days	Instructor Name	Lecture Platform
Monday	13 October		
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	Elective Courses		
16:40-17:30	Elective Courses		

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Tuesday	14 October		
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	15 October		
08:40-09:30	Y3C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Committee Exam Feedback Session	Dr. Hatice Boracı Efekan Dr. Halil Eren Sakallı	IN CLASS
14:40-15:30			
15:40-16:30			
16:40-17:30			
Thursday	16 October		
08:40-09:30	Y2C1 COMMITTEE EXAM		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30			
14:40-15:30			

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15:40-16:30			
16:40-17:30			
Friday	17 October		
08:40-09:30			
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			