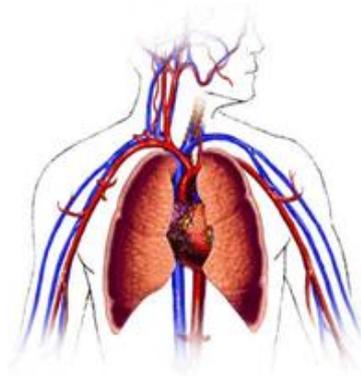


Last Updated on 11 September, 2025

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



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

**Year 3 Coordinators**

Prof. Arzu Akşit İLKİ & Prof. Pinar 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	
<p style="text-align: center;"><b>AIM and LEARNING OBJECTIVES of COURSE</b></p> <p><b>Aim:</b> 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.</p> <p><b>Learning Objectives:</b> At the end of this course, third year students will,</p> <ul style="list-style-type: none"><li>○ To learn the morphology of the heart and the vessels</li><li>○ To describe the basic mechanisms of circulation</li><li>○ To define and discuss the factors impairing the normal function of the cardiovascular system and their pathological reflections on the occurrence of the diseases</li><li>○ To learn the major symptoms and signs of the cardiovascular diseases and the principles of therapeutic approaches</li><li>○ 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</li></ul>	
<p style="text-align: center;"><b>ASSESSMENT SYSTEM</b></p> <p><b>Module examination:</b> Written exam at the end of the course and performance during the module</p> <p><b>Practical examination:</b> Practical exams at the end of the course</p> <p><b>Course examination:</b> Written exam at the end of the course</p>	<p style="text-align: center;"><b>PROGRAM EVALUATION</b></p> <p>Evaluation at the end of the course, is done both orally and by using structured evaluation forms</p>
<b>DEPARTMENTS PARTICIPATING IN COURSE-3.1.</b>	
<ul style="list-style-type: none"><li>• Anatomy</li><li>• Biochemistry</li><li>• Biophysics</li><li>• Cardiology</li><li>• Cardiovascular Surgery</li><li>• Family Medicine</li><li>• Histology and Embryology</li><li>• Medical Genetics</li></ul>	<ul style="list-style-type: none"><li>• Microbiology</li><li>• Nuclear Medicine</li><li>• Pathology</li><li>• Pediatric Cardiology</li><li>• Physiology</li><li>• Pharmacology</li><li>• Public Health</li><li>• Radiology</li></ul>
<b>LECTURERS / TUTORS</b>	
Alper Yıldırım, Prof., Physiology Amber Eker, Assoc. Prof., Neurology Ahmet Akıcı, Prof., Pharmacology Ahmet Altuğ Çiçin, 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 Akalin, 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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<b>SUMMARY OF THE COURSE 3.1.</b>			
<b>Discipline</b>	<b>Lecture &amp; Group Discussion</b>	<b>Multidisciplinary Lab. &amp; Clinical Skills Lab. Practice</b>	<b>Total*</b>
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
<b>PBL Module</b>	8		8
<b>Subtotal*</b>	<b>110</b>	<b>7</b>	<b>117</b>
<b>ICS-3 Clinical Skills Laboratory (ICS-2 CSL) (MDN3706)</b>	4	4	8
<b>ICS-3 Student Research Activity (ICS-3 SRA) (MDN3707)</b>	4	1	5
<b>Turkish for Medical Students – IV**</b>	24	(Interactive Session)	24
<b>Elective Courses</b>	8		8
<b>TOTAL*</b>	<b>142**</b>	<b>12</b>	<b>154**</b>
	<b>126</b>		<b>138</b>

\*Hours/Student

\*\* For International Students

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		THEORETICAL AND PRACTICAL SESSIONS	LECTURER/TUTOR	
<b>1<sup>st</sup> Week (01– 05 September, 2025)</b>				
	<b>Calendar Days</b>		<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>01 September</b>			
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 ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS	
14:40-15:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS	
15:40-16:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS	
16:40-17:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS	
<b>Tuesday</b>	<b>02 September</b>			
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	
<b>Wednesday</b>	<b>03 September</b>			
08:40-09:30	STUDY TIME			
09:40-10:30	STUDY TIME			
10:40-11:30	<b>Histology LAB:</b> Histology of heart, blood vessels	Dr. Özlem Tuğçe Kaya	Multidisciplinary Lab.	
11:40-12:30	<b>Histology LAB:</b> 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
<b>Thursday</b>	<b>04 September</b>		
08:40-09:30	<b>RELIGIOUS HOLIDAY</b>		
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			
<b>Friday</b>	<b>05 September</b>		
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 arteriosclerosis	Dr. Erdi Sözen	MS TEAMS
14:40-15:30	Hyperlipidemias and arteriosclerosis	Dr. Erdi Sözen	MS TEAMS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
<b>2<sup>nd</sup> Week (08– 12 September, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>08 September</b>		
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	<b>ICS-3 SRA:</b> 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	<b>ICS-3 SRA:</b> Feedback from last year	Dr. İlke Akçay	IN CLASS
13:40-14:30	<b>Turkish For Medical Students-IV</b>	Inst. Emine Özerinç	IN CLASS
14:40-15:30	<b>Turkish For Medical Students-IV</b>	Inst. Emine Özerinç	IN CLASS
15:40-16:30	<b>Turkish For Medical Students-IV</b>	Inst. Emine Özerinç	IN CLASS
16:40-17:30	<b>Turkish For Medical Students-IV</b>	Inst. Emine Özerinç	IN CLASS
<b>Tuesday</b>	<b>09 September</b>		
08:40-09:30	STUDY TIME		
09:40-10:30	<b>ICS-3:</b> 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		
<b>Wednesday</b>	<b>10 September</b>		
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
<b>Thursday</b>	<b>11 September</b>		
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	<b>Physiology LAB: ECG-1 (Group A)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
14:40-15:30	<b>Physiology LAB: ECG-1 (Group B)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
15:40-16:30	<b>Physiology LAB: ECG-1 (Group C)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
16:40-17:30	<b>Physiology LAB: ECG-1 (Group D)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
<b>Friday</b>	<b>12 September</b>		
08:40-09:30	Ageing physiology	Dr. Özgür Kasımay	IN CLASS
09:40-10:30	<b>Physiology LAB: Blood pressure, heart sounds, pulse (Group A, B)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
10:40-11:30	<b>Physiology LAB: Blood pressure, heart sounds, pulse (Group C, D)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
11:40-12:30	<b>Physiology LAB: ECG-2 (Group D)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
13:40-14:30	<b>Physiology LAB: ECG-2 (Group C)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
14:40-15:30	<b>Physiology LAB: ECG-2 (Group B)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
15:40-16:30	<b>Physiology LAB: ECG-2 (Group A)</b>	Dr. Özgür Kasımay Dr. Alper Yıldırım	Multidisciplinary Lab.
16:40-17:30	STUDY TIME		
<b>3<sup>rd</sup> Week (15 – 19 September, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>

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<b>Monday</b>	<b>15 September</b>		
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 ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
16:40-17:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
<b>Tuesday</b>	<b>16 September</b>		
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	<b>Anatomy LAB:</b> Heart and pericardium – Group A	Dr. Berfu Çerçi Öngün Dr. Hatice Efehan	Anatomy Lab
14:40-15:30	<b>Anatomy LAB:</b> 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
<b>Wednesday</b>	<b>17 September</b>		
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		
<b>Thursday</b>	<b>18 September</b>		
08:40-09:30	<b>ICS-3 CSL:</b> Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
09:40-10:30	<b>ICS-3 CSL:</b> Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
10:40-11:30	<b>ICS-3 CSL:</b> Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
11:40-12:30	<b>ICS-3 CSL:</b> Respiratory and Cardiovascular System Physical Examination	Dr. Zehra Gültekin	IN CLASS
13:40-14:30	<b>ICS-3 SRA:</b> Theme, Assessment, Timeline and Schedule of the Year	Dr. İlke Akçay	IN CLASS
14:40-15:30	<b>ICS-3 SRA:</b> Informing about Ethical Board Application Process	Dr. İlke Akçay	IN CLASS
15:40-16:30	STUDY TIME		
16:40-17:30	STUDY TIME		
<b>Friday</b>	<b>19 September</b>		
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	Approach to thromboembolic disorders	Dr. Koray Ak	MS TEAMS
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	Elderly patient with leg pain: Primary care approach	Dr. Pemra Cöbek Ünalın	MS TEAMS
16:40-17:30	Radiology of the cardiovascular system	Dr. Efe Soydemir	MS TEAMS

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<b>4<sup>th</sup> Week (22– 26 September, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>22 September</b>		
08:40-09:30	STUDY TIME		
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 ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
	<b>Elective Courses</b>		
16:40-17:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
	<b>Elective Courses</b>		
<b>Tuesday</b>	<b>23 September</b>		
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	<b>PBL-2</b>	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	<b>PBL-2</b>	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
<b>Wednesday</b>	<b>24 September</b>		

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08:40-09:30	STUDY TIME		
09:40-10:30	Ischaemic heart disease	Dr. İpek Erbarut	IN CLASS
10:40-11:30	Ischaemic heart disease	Dr. İpek Erbarut	IN CLASS
11:40-12:30	<b>Pathology LAB:</b> Heart and valvular diseases – Group A	Dr. İpek Erbarut	Multidisciplinary Lab.
13:40-14:30	<b>Pathology LAB:</b> 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		
<b>Thursday</b>	<b>25 September</b>		
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		
<b>Friday</b>	<b>26 September</b>		
08:40-09:30	STUDY TIME		
09:40-10:30	STUDY TIME		
10:40-11:30	STUDY TIME		
11:40-12:30	<b>ICS-3 SRA:</b> Meeting with mentor	* Research groups are expected to meet their mentors during these hours. If the mentor's schedule is not available, another suitable time can be arranged.	

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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
<b>5th Week (29 September - 03 October, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>29 September</b>		
08:40-09:30	Development of the cardiovascular system	Dr. Özlem Tuğçe Kaya	MS TEAMS
09:40-10:30	Development of the cardiovascular system	Dr. Özlem Tuğçe Kaya	MS TEAMS
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 ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> ) <b>Elective Courses</b>	Inst. Emine Özerinç	IN CLASS
16:40-17:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> ) <b>Elective Courses</b>	Inst. Emine Özerinç	IN CLASS
<b>Tuesday</b>	<b>30 September</b>		
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	<b>PBL-3</b>	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
15:40-16:30	<b>PBL-3</b>	Dr. Amber Eker	PBL ROOM

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		Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	
16:40-17:30	STUDY TIME		
<b>Wednesday</b>	<b>01 October</b>		
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		
<b>Thursday</b>	<b>02 October</b>		
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	STUDY TIME		
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		
<b>Friday</b>	<b>03 October</b>		
08:40-09:30	<b>ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B</b>	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
09:40-10:30	<b>ICS-3 CSL: Respiratory – Cardiovascular System Physical Examination Group A-B</b>	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB

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10:40-11:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
11:40-12:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group A-B	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
13:40-14:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
14:40-15:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
15:40-16:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
16:40-17:30	<b>ICS-3 CSL:</b> Respiratory – Cardiovascular System Physical Examination Group C-D	Dr. Zehra Gültekin Dr. Amber Eker	ICS LAB
<b>6<sup>th</sup> Week (06– 10 October, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>06 October</b>		
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 ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
14:40-15:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
15:40-16:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
	<b>Elective Courses</b>		
16:40-17:30	Turkish For Medical Students-IV ( <b>Foreign Students</b> )	Inst. Emine Özerinç	IN CLASS
	<b>Elective Courses</b>		
<b>Tuesday</b>	<b>07 October</b>		
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

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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	<b>PBL-4</b>	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
15:40-16:30	<b>PBL-4</b>	Dr. Amber Eker Dr. Nilüfer Güzoğlu Dr. Halil Eren Sakallı Dr. Zehra Gültekin	PBL ROOM
16:40-17:30	STUDY TIME		
<b>Wednesday</b>	<b>08 October</b>		
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		
<b>Thursday</b>	<b>09 October</b>		
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
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	STUDY TIME		
16:40-17:30	STUDY TIME		

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<b>Friday</b>	<b>10 October</b>		
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		
<b>7<sup>th</sup> Week (13– 17 October, 2025)</b>			
	<b>Calendar Days</b>	<b>Instructor Name</b>	<b>Lecture Platform</b>
<b>Monday</b>	<b>13 October</b>		
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	<b>Elective Courses</b>		
16:40-17:30	<b>Elective Courses</b>		
<b>Tuesday</b>	<b>14 October</b>		
08:40-09:30	<b>PRACTICAL EXAM</b>		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30			

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14:40-15:30			
15:40-16:30			
16:40-17:30			
<b>Wednesday</b>	<b>15 October</b>		
08:40-09:30	<b>Y3C1 COMMITTEE EXAM</b>		
09:40-10:30			
10:40-11:30			
11:40-12:30			
13:40-14:30	Committee Exam Feedback Session	Dr. Hatice Boracı Efehan Dr. Halil Eren Sakallı	IN CLASS
14:40-15:30			
15:40-16:30			
16:40-17:30			
<b>Thursday</b>	<b>16 October</b>		
08:40-09:30	<b>Y2C1 COMMITTEE EXAM</b>		
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			
<b>Friday</b>	<b>17 October</b>		
08:40-09:30			
09:40-10:30			
10:40-11:30			

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11:40-12:30			
13:40-14:30			
14:40-15:30			
15:40-16:30			
16:40-17:30			