



**CARDIOVASCULAR SYSTEM AND RELATED DISORDERS
YEAR 3 COURSE 1**

August 29th, 2016 – October 21st, 2016

Coordinator of the Course 3.1 Asisst. Prof., Mümtaz GÜRAN	
Coordinator of Multidisciplinary Students' LAB. Asisst. Prof., Mümtaz GÜRAN	Coordinator of Clinical Skill LAB. Instructor. Berfu Çerçi ÖNGÜN
Coordinator of Assessment Unite Asisst. Prof., Mümtaz GÜRAN, Assist. Prof. Dr. Mevhibe HOCAOĞLU, Asisst. Prof., İlke Çetin,	Coordinator of ICS Res. LAB. Assist. Prof. Dr. Mevhibe HOCAOĞLU
Year 2 Coordinators Assoc. Prof., Özgür Kasımay ÇAKIR & Instructor, Burak AKSU	
Module Coordinator Assoc. Prof., Özlem SARIKAYA	Introduction to Clinician Skills(ICS) Coordinators Prof., Sibel KALAÇA, Assoc. Prof., Pemra ÜNALAN
Coordinator of Multidisciplinary Students' LAB. Assoc. Prof., Betül KARADEMİR	Coordinator of Assessment Unite Asisst. Prof., Cevdet NACAR
Vice-Chief Coordinators	
Assessment Asisst. Prof., Cevdet NACAR	Students' Affairs Asisst. Prof., Can ERZİK
Chief Coordinator Assoc. Prof., Hasan YANANLI	Coordinator of Medical Education Program Evaluation and Development Commission Prof., Berrak Ç. YEĞEN
Educational Consultant Assoc. Prof., Mehmet Ali GÜLPINAR	

Dean (EMU)
Prof., Nahide GÖKÇORA

Acting Dean (MU)
Prof., Ömer GÜNAL

LEARNING OUTCOMES / COMPETENCIES

- A. **Clinical Care: Qualified patient care and community oriented health care**
 1. Basic clinical skills
 2. The organization and management of the patient and the patient care
 3. The organization and the management of health care delivery services / system
 4. Health promotion and disease prevention
- B. **Medical Knowledge and Evidence-Based Medicine**
 5. Appropriate information retrieval and management skills
 6. The integration of knowledge, critical thinking and evidence-based decision making
 7. Scientific methods and basic research skills
- C. **Professional Attitudes and Values**
 8. Communication skills and effective communication with patients / patient relatives
 9. Interpersonal relationships and team working
 10. Ethical and professional values, responsibilities
 11. Individual, social and cultural values and responsibilities
 12. Reflective practice and continuing development
 13. Healthcare delivery systems, management and community oriented health care
 14. Education and counseling

PHASE-1 LEARNING OBJECTIVES

1. Understanding the normal structures and functions of human body
2. Correlating the basic concepts and principles to each other that define health and disease; applying basic concepts and principles to health and disease conditions
3. Developing clinical problem solving, clinical reasoning and evaluation skills by integrating biomedical, clinical, social and humanities knowledge
4. Gaining basic clinical skills by applications in simulated settings.
5. Awareness of the professional values in health and disease processes (professional, individual, societal) and acquisition necessary related skills
6. Evaluating critically and synthesizing all the medical evidence and perform respecting scientific, professional and ethical values
7. Acquisition skills in reflective thinking and practicing, being open to continuous individual / professional development.

PHASES – 1 THEMA/ORGAN SYSTEM-BASED COURSE PROGRAMS

Year 1, Course 1: Introduction to Cell and Cellular Replication

Year 1, Course 2: Cellular Metabolism and Transport

Year 1, Course 3: Development and Organization of Human Body

Year 1, Course 4: Introduction to Nervous System and Human Behavior

Year 2, Course 1: Cell and Tissue Injury I

Year 2, Course 2: Cell and Tissue Injury II

Year 2, Course 3: Hematopoietic System and Related Disorders

Year 2, Course 4: Musculoskeletal, Integumentary Systems and Related Disorders

Year 2, Course 5: Respiratory System and Related Disorders

Year 3, Course 1: Cardiovascular System and Related Disorders

Year 3, Course 2: Gastrointestinal System, Metabolism and Related Disorders

Year 3, Course 3: Nervous System and Related Disorders

Year 3, Course 4: Growth, Development, Mental Health and Related Disorders

Year 3, Course 5: Urinary and Reproductive 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

RESPIRATORY 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 respiratory system and pathogenesis of the disorders related to system. They will also gain knowledge about the signs and symptoms of pulmonary diseases, related risk factors, prevention, diagnosis, and principles of treatment.

Learning Objectives: At the end of this committee, second year students will,

- review the development and histology of the respiratory system
- describe the mechanism of breathing and identify the movement, solubility and transport of gas molecules
- understand the factors impairing the normal function of the respiratory system and their pathological reflections on the occurrence of the disease
- gain knowledge about microorganisms that affect the respiratory system and respiratory tract infections
- gain knowledge about the risk groups, risk factors related to pulmonary diseases and preventive measures
- gain knowledge about the major signs and symptoms of the pulmonary diseases
- gain knowledge about the approach to diagnosis, and principles of treatment in pulmonary diseases
- comprehend the hazards of smoking
- define the pharmacotherapy of pulmonary diseases
- 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-2.5

- Anatomy
- Biochemistry
- Biophysics
- Cardiology
- Cardiovascular Surgery
- Clinical Pharmacology
- Family Medicine
- Histology and Embryology

- Nuclear Medicine
- Microbiology
- Pathology
- Pediatric Cardiology
- Physiology
- Public Health
- Radiology

LECTURERS / TUTORS

Ahmet AKICI, Professor of Clinical Pharmacology
Ahmet İter GÜNEY Assit. Professor of Medical Genetics
Alper YILDIRIM, Assist. Professor of Physiology
Atilla KARAALP, Professor of Clinical Pharmacology
Ayşe GARİP, Assoc. Professor of Biophysics
Berfu Çerçi ÖNGÜN. Instructor of Anatomy
Berrak YEĞEN, Professor of Physiology
Beste Özben SADIÇ, Assoc. Professor of Cardiology
Betül Karademir Assoc. Professor of Med. BioChemistry
Figen AKALIN, Professor of Pediatric Cardiology
Filiz ONAT, Professor of Clinical Pharmacology

Koray AK, Assoc. Professor of Cardiovascular Surgery
Leyla CİNEL, Professor of Pathology
M. Kürşat TİGEN, Assoc. Professor of Cardiology
Nahide GÖKÇORA, Professor of Nuclear Medicine
Çiğdem APAYDIN KAYA Assoc. Prof. of Fam. Medicine
Nilgün ÇERİKÇİOĞLU, Professor of Microbiology
Nurten SAYAR, Assoc. Professor of Cardiology
Okan ERDOĞAN, Professor of Cardiology
Onur Buğdaycı, Assist. Prof. of Radiology
Osman YEŞİLDAĞ, Professor of Cardiology
Pemra C.ÜNALAN, Assoc. Professor of Family Medicine

Güner SÖYLELİR, Professor of Microbiology
 Hızır KURTEL, Professor of Physiology
 İnci ALİCAN, Professor of Physiology
 İpek ERBARUT Assist. Professor of Pathology
 Kemal BERKMAN, Professor of Pharmacology
 Kemal Türköz Assoc. Professor of Pathology

Pinar Mega Tiber Assist. Professor of Biophysics
 Saime BATIREL, Assist. Professor of Biochemistry
 Serap ŞİRVANCI, Professor of Histology and Embryology
 Sibel SAKARYA, Professor of Public Health
 Ümit ŞEHİRLİ, Professor of Anatomy
 Zafer GÖREN, Professor of Pharmacology

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.

SUMMARY OF THE COURSE 2.5

Discipline	Lecture & Group Discussion	Multidisciplinary LAB. & Clinical Skills LAB. Practice	Total
Anatomy	5	2	7
Biochemistry	9		9
Biophysics	11		11
Cardiology	27		27
Cardiovascular Surgery	1		1
Clinical Pharmacology	13		13
Family Medicine	2		11
Histology and Embryology	5	2	7
Nuclear Medicine	1		1

Microbiology	3		3
Pathology	7	1	7
Pediatric Cardiology	5		5
Physiology	18	3	23
Public Health	2		2
Radiology	1		1
Medical Genetics	1		1
Subtotal	103	16	119
PBL Module	10		10
ICP-3: Basic Medical Practices, Clinical Skills LAB., Student Research Activity	1	16	8
Communication in Turkish-III (Foreign Students)			
TOTAL	114	23	127

THEORETICAL AND PRACTICAL SESSIONS		LECTURER/TUTOR
1st WEEK (29 August - 02 September)		
Monday	29 August	
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		
Tuesday	30 August	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30	HOLIDAY	
Wednesday	31 August	
08:40-09:30	Introduction to the course	Dr. Ümit Şehirli
09:40-10:30	Heart and pericardium	Dr. Ümit Şehirli

10:40-11:30	Heart and pericardium	Dr. Ümit Şehirli
11:40-12:30	Heart and pericardium	Dr. Ümit Şehirli
13:40-14:30	Anatomy of the vessels(arterial and venous system)	Dr. Ümit Şehirli
14:40-15:30	Anatomy LAB: Heart and pericardium-Group A	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
15:40-16:30	Anatomy LAB: Heart and pericardium-Group B	Dr. Ümit Şehirli, Dr. Berfu Çerçi Öngün
16:40-17:30		
Thursday	01 September	
08:40-09:30	Lipoprotein metabolism	Dr. Saime Batırel
09:40-10:30	Lipoprotein metabolism	Dr. Saime Batırel
10:40-11:30	Lipoprotein metabolism	Dr. Saime Batırel
11:40-12:30	Vascular events	Dr. Saime Batırel
13:40-14:30	Electrical fields, potential at a point	Dr. Ayşe Garip
14:40-15:30	Electrical fields, potential at a point	Dr. Ayşe Garip
15:40-16:30	Cardiac action potentials	Dr. Ayşe Garip
16:40-17:30	Principles of echocardiography	Dr. Ayşe Garip
Friday	02 September	
08:40-09:30	Principles of hemodynamics	Dr. Ayşe Garip
09:40-10:30	Principles of hemodynamics	Dr. Ayşe Garip
10:40-11:30	Principles of electrocardiography	Dr. Ayşe Garip
11:40-12:30	Principles of electrocardiography	Dr. Ayşe Garip
13:40-14:30	Physiological properties of the cardiac muscle	Dr. İnci Alican
14:40-15:30	Regulation of cardiac functions	Dr. İnci Alican
15:40-16:30	Heart sounds	Dr. İnci Alican
16:40-17:30	Arterial pulse	Dr. İnci Alican
2nd Week (05-09 September 2016)		
Monday	05 September	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30	Hyperlipidemias and atherosclerosis	Dr. Betül Karademir
14:40-15:30	Hyperlipidemias and atherosclerosis	Dr. Betül Karademir
15:40-16:30	Cardiac injury and markers	Dr. Betül Karademir
16:40-17:30		

Tuesday	06 September	
08:40-09:30	Introduction to ICS-3	Dr. Pemra Ünalın
09:40-10:30	Elderly patient with leg pain: Primary care approach	Dr. Pemra Ünalın
10:40-11:30	Adult patient with chest pain. Primary care approach	Dr. Pemra Ünalın
11:40-12:30		
13:40-14:30	Biochemical aspects of the metabolic syndrome	Dr. Betül Karademir
14:40-15:30	Biochemical aspects of the metabolic syndrome	Dr. Betül Karademir
15:40-16:30	ELECTIVE COURSE	
16:40-17:30	ELECTIVE COURSE	
Wednesday	07 September	
08:40-09:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
09:40-10:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
10:40-11:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
11:40-12:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
13:40-14:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
14:40-15:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
15:40-16:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
16:40-17:30	ICS-3:Basic Clinical Skills LAB: Respiratory System	Dr. Çiğdem Apaydın Kaya
Thursday	08 September	
08:40-09:30		
09:40-10:30	Cardiac cycle	Dr. Berrak Yegen
10:40-11:30	Cardiac cycle	Dr. Berrak Yegen
11:40-12:30	Regulation of blood flow	Dr. Berrak Yegen
13:40-14:30	Principles of ECG	Dr. Berrak Yegen
14:40-15:30	Principles of ECG	Dr. Berrak Yegen
15:40-16:30	ECG and its interpretation	Dr. Berrak Yegen
16:40-17:30		
Friday	09 September	
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		
3rd Week (12-16 September 2016)		
Monday	12 September	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Tuesday	13 September	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	14 September	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Thursday	15 September	
08:40-09:30	HOLIDAY	
09:40-10:30		
10:40-11:30		
11:40-12:30		

13:40-14:30		
14:40-15:30		
15:40-16-30		
16:40-17:30		
Friday	16 September	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30	HOLIDAY	
13:40-14:30		
14:40-15:30		
15:40-16-30		
16:40-17:30		
4th Week (19-23 September 2016)		
Monday	19 September	
08:40-09:30		
09:40-10:30	Approach to the patient with cardiovascular system disease	Dr. Beste Özben Sadıç
10:40-11:30	Principal symptom and general signs in cardiovascular disease	Dr. Beste Özben Sadıç
11:40-12:30	Principal symptom and general signs in cardiovascular disease	Dr. Beste Özben Sadıç
13:40-14:30	Systemic hypertension and hypertensive heart disease	Dr. Osman Yeşildağ
14:40-15:30	Systemic hypertension and hypertensive heart disease	Dr. Osman Yeşildağ
15:40-16-30	PBL Module 1	Dr. Osman Yeşildağ
16:40-17:30	PBL Module 1	Dr. Osman Yeşildağ
Tuesday	20 September	
08:40-09:30	Examination of the heart and vessels	Dr. Osman Yeşildağ
09:40-10:30	Examination of the heart and vessels	Dr. Osman Yeşildağ
10:40-11:30	Diagnostic methods in cardiology	Dr. Osman Yeşildağ
11:40-12:30	Diagnostic methods in cardiology	Dr. Osman Yeşildağ
13:40-14:30	Pericarditis	Dr. Osman Yeşildağ
14:40-15:30	Pulmonary hypertension in cardiology	Dr. Osman Yeşildağ
15:40-16-30	ELECTIVE COURSE	
16:40-17:30	ELECTIVE COURSE	
Wednesday	21 September	
08:40-09:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalın
09:40-10:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalın

10:40-11:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
11:40-12:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
13:40-14:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
14:40-15:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
15:40-16:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
16:40-17:30	ICS-3:Basic Clinical Skills LAB: Cardiovascular System	Dr. Pemra Ünalán
Thursday	22 September	
08:40-09:30		
09:40-10:30		
10:40-11:30		
11:40-12:30	Approach to thromboembolic disorders	Dr. Koray Ak
13:40-14:30	Pharmacotherapy in peripheral arterial occlusive diseases	Dr. Filiz Onat
14:40-15:30	Pharmacotherapy in venous thromboembolic disease	Dr. Filiz Onat
15:40-16:30	PBL Module 2	Dr. Koray Ak
16:40-17:30	PBL Module 2	Dr. Koray Ak
Friday	23 September	
08:40-09:30		
09:40-10:30		
10:40-11:30	Pharmacotherapy of heart failure	Dr. Atila Karaalp
11:40-12:30	Pharmacotherapy of heart failure	Dr. Atila Karaalp
13:40-14:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Atila Karaalp
14:40-15:30	Pharmacotherapy of cardiac dysrhythmias	Dr. Atila Karaalp
15:40-16:30	Pharmacotherapy of hyperlipidemias	Dr. Atila Karaalp
16:40-17:30		
5th Week (26-30 September 2016)		
Monday	26 September	
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		
Tuesday	27 September	

08:40-09:30	Principal of hemodynamics	Dr. Hızır Kurtel
09:40-10:30	Principal of hemodynamics	Dr. Hızır Kurtel
10:40-11:30	Regulation of blood pressure	Dr. Hızır Kurtel
11:40-12:30	Regulation of blood pressure	Dr. Hızır Kurtel
13:40-14:30	Regulation of blood pressure	Dr. Hızır Kurtel
14:40-15:30	Circulation through specific organs	Dr. Hızır Kurtel
15:40-16:30	ELECTIVE COURSE	
16:40-17:30	ELECTIVE COURSE	
Wednesday	28 September	
08:40-09:30		
09:40-10:30		
10:40-11:30	Physiology LAB : Blood pressure, heart sounds, pulse	Dr. Alper Yıldırım Dr. Hızır Kurtel
11:40-12:30	Physiology LAB : Blood pressure, heart sounds, pulse	Dr. Alper Yıldırım Dr. Hızır Kurtel
13:40-14:30	Physiology LAB : ECG-1	Dr. Alper Yıldırım Dr. Hızır Kurtel
14:40-15:30	Physiology LAB : ECG-1	Dr. Alper Yıldırım Dr. Hızır Kurtel
15:40-16:30	Physiology LAB : ECG-1	Dr. Alper Yıldırım Dr. Hızır Kurtel
16:40-17:30	Physiology LAB : ECG-1	Dr. Alper Yıldırım Dr. Hızır Kurtel
Thursday	29 September	
08:40-09:30	Physiology LAB : ECG-2	Dr. Alper Yıldırım Dr. Hızır Kurtel
09:40-10:30	Physiology LAB : ECG-2	Dr. Alper Yıldırım Dr. Hızır Kurtel
10:40-11:30	Physiology LAB : ECG-2	Dr. Alper Yıldırım Dr. Hızır Kurtel
11:40-12:30	Physiology LAB : ECG-2	Dr. Alper Yıldırım Dr. Hızır Kurtel
13:40-14:30		
14:40-15:30	Radiology of the cardiovascular system	Dr. Onur Buğdaycı
15:40-16:30	PBL Module 3	Dr. Alper Yıldırım
16:40-17:30	PBL Module 3	Dr. Alper Yıldırım
Friday	30 September	
08:40-09:30		
09:40-10:30		
10:40-11:30	Cardiac output	Dr. Alper Yıldırım
11:40-12:30	Coronary circulation	Dr. Alper Yıldırım

13:40-14:30		
14:40-15:30		
15:40-16:30	Introduction to cardiovascular pharmacology	Dr. Zafer Gören
16:40-17:30		
6th Week (03-07 October 2016)		
Monday	03 October	
08:40-09:30	Microbiological approach to cardiovascular infections	Dr. Güner Söyledir
09:40-10:30	Microbiological approach to cardiovascular infections	Dr. Güner Söyledir
10:40-11:30	Genetic basis of the cardiovascular diseases	Dr. Ahmet İlder Güney
11:40-12:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
13:40-14:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
14:40-15:30	Pharmacotherapy of hypertension	Dr. Ahmet Akıcı
15:40-16:30	PBL Module 4	Dr. Ahmet Akıcı
16:40-17:30	PBL Module 4	Dr. Ahmet Akıcı
Tuesday	04 October	
08:40-09:30	Acute rheumatic fever	Dr. Figen Akalın
09:40-10:30	Acute rheumatic fever	Dr. Figen Akalın
10:40-11:30	Congenital cyanotic heart disease	Dr. Figen Akalın
11:40-12:30	Nosocomial fungal infections	Dr. Nilgün Çerikçioğlu
13:40-14:30	Congenital acyanotic heart disease with left to right shunt	Dr. Figen Akalın
14:40-15:30	Congenital heart disease with valvular obstruction or stenosis	Dr. Figen Akalın
15:40-16:30	ELECTIVE COURSE	
16:40-17:30	ELECTIVE COURSE	
Wednesday	05 October	
08:40-09:30	Histology of the heart	Dr. Serap Şirvancı
09:40-10:30	Histology of blood vessels	Dr. Serap Şirvancı
10:40-11:30	Histology of blood vessels	Dr. Serap Şirvancı
11:40-12:30	Development of the cardiovascular system	Dr. Serap Şirvancı
13:40-14:30	Development of the cardiovascular system	Dr. Serap Şirvancı
14:40-15:30	Histology LAB : Histology of heart, blood vessels	Dr. Serap Şirvancı
15:40-16:30	Histology LAB : Histology of heart, blood vessels	Dr. Serap Şirvancı
16:40-17:30	Myocardial scintigraphy and radionuclide ventriculography	Dr. Nahide Gökçora
Thursday	06 October	
08:40-09:30	Ischaemic heart disease	Dr. İpek Erbarut

09:40-10:30	Ischaemic heart disease	Dr. İpek Erbarut
10:40-11:30	Epidemiology of hypertension and rheumatic fever	Dr. Sibel Sakarya
11:40-12:30	Epidemiology of coronary heart disease	Dr. Sibel Sakarya
13:40-14:30	Coronary artery disease	Dr. Nurten Sayar
14:40-15:30	Coronary artery disease	Dr. Nurten Sayar
15:40-16:30	Cardiovascular diseases in special population	Dr. Nurten Sayar
16:40-17:30		
Friday	07 October	
08:40-09:30		
09:40-10:30		
10:40-11:30	PBL Module 5	Dr. Pinar Mega Tiber
11:40-12:30	PBL Module 5	Dr. Pinar Mega Tiber
13:40-14:30	Viscosity,laminar and turbulent flow	Dr. Pinar Mega Tiber
14:40-15:30	Viscosity,laminar and turbulent flow	Dr. Pinar Mega Tiber
15:40-16:30	Bernouilli's equation,the role of gravity in the circulation	Dr. Pinar Mega Tiber
16:40-17:30		
7th Week (20 June – 24 June, 2016)		
Monday	10 October	
08:40-09:30	Clinical electrocardiography	Dr. Okan Erdoğan
09:40-10:30	Clinical electrocardiography	Dr. Okan Erdoğan
10:40-11:30	Cardiac dysrhythmias	Dr. Okan Erdoğan
11:40-12:30	Cardiac dysrhythmias	Dr. Okan Erdoğan
13:40-14:30	Syncope and sudden cardiac death	Dr. Okan Erdoğan
14:40-15:30	Pharmacotherapy of ischemic heart disease and MI	Dr. Kemal Berkman
15:40-16:30	Pharmacotherapy of ischemic heart disease and MI	Dr. Kemal Berkman
16:40-17:30		
Tuesday	11 October	
08:40-09:30		
09:40-10:30	Acute coronary syndrome	Dr. Mustafa Kürşat Tigen
10:40-11:30	Acute coronary syndrome	Dr. Mustafa Kürşat Tigen
11:40-12:30	Diseases of the aorta and the peripheral blood vessels	Dr. Mustafa Kürşat Tigen
13:40-14:30	Valvular heart disease	Dr. Mustafa Kürşat Tigen
14:40-15:30	Valvular heart disease	Dr. Mustafa Kürşat Tigen
15:40-16:30	ELECTIVE COURSE	
16:40-17:30	ELECTIVE COURSE	

Wednesday	12 October	
08:40-09:30	Heart failure and cardiogenic shock	Dr. Mustafa Kürşat Tigen
09:40-10:30	Heart failure and cardiogenic shock	Dr. Mustafa Kürşat Tigen
10:40-11:30	Cardiomyopathies and myocarditis	Dr. Mustafa Kürşat Tigen
11:40-12:30	Infective endocarditis	Dr. Mustafa Kürşat Tigen
13:40-14:30	Valvular diseases of the heart	Dr. Kemal Türköz
14:40-15:30	Neoplastic diseases of the heart & blood vessels	Dr. Kemal Türköz
15:40-16:30	Pathology LAB : Heart and valvular diseases-Group A	Dr. Kemal Türköz
16:40-17:30	Pathology LAB : Heart and valvular diseases-Group B	Dr. Kemal Türköz
Thursday	13 October	
08:40-09:30		
09:40-10:30	Atherosclerosis & hypertensive cardiovascular events	Dr. Zeliha Leyla Cinel
10:40-11:30	Atherosclerosis & hypertensive cardiovascular events	Dr. Zeliha Leyla Cinel
11:40-12:30	Vasculitis	Dr. Zeliha Leyla Cinel
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Friday	14 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		
8th Week (17-21 October 2016)		
Monday	17 October	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		

15:40-16:30		
16:40-17:30		
Tuesday	18 October	
08:40-09:30		
09:40-10:30	PRACTICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		
Wednesday	19 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		
Thursday	20 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		
Friday	21 October	
08:40-09:30		
09:40-10:30	THEORETICAL EXAM	
10:40-11:30		
11:40-12:30		
13:40-14:30		
14:40-15:30		
15:40-16:30		
16:40-17:30		