

# MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE PHASE 3 ENGLISH MEDICINE PROGRAM

2024/2025 Academic Year

### **Committee 2 GUIDEBOOK**

Prepared By:

PHASE 3 COORDINATOR AND VICE-COORDINATORS

## **PREFACE**

#### Dear Students,

This guide describes what you will learn and perform during your committee program, the rules you must follow in the committee, and the working conditions. We wish you all success with the belief that this guide will guide you through the committee.

Phase 3 Coordinatorship

## **GENERAL INFORMATION on COURSE**

Year	Phase 3
Name of the Committee	Circulatory And Respiratory Systems
Level of Course	Licence
Required/Elective	Required
Language	English
Course Code(s)	MED 3200
Duration of the course	6 weeks
ECTS	9

## **TEACHING STAFF**

Phase Coordinator	Assoc.Prof.Dr. Ercan SARUHAN
Vice -Coordinators	Assoc.Prof.Dr. Yelda DERE
	Assoc.Prof.Dr. Edip Güvenç ÇEKİÇ
	Asist.Prof.Dr. Gülçin ÖZKAN ONUR
	,
Committee organizer	Assoc.Prof.Dr. Edip Güvenç ÇEKİÇ
Teaching staff of the Committee	Clinical Biochemistry
Program	Prof. Dr. İsmail Çetin ÖZTÜRK
	Assoc.Prof.Dr. Ercan SARUHAN
	Medical Pharmacology
	Assoc.Prof.Dr. Nesrin FİLİZ BAŞARAN
	Assoc.Prof.Dr. Edip Güvenç ÇEKİÇ
	Medical Pathology
	Assoc.Prof.Dr. Özgür İlhan ÇELIK
	Clinical Microbiology
	Asist.Prof.Dr. Alper AKSÖZEK
	Asist.Prof.Dr. Burak Ekrem ÇİTİL
	Cardiology
	Prof. Dr. İbrahim ALTUN
	Assoc.Prof.Dr. Bülent ÖZLEK
	Asist.Prof.Dr. Süleyman BARUTÇU
	Chest Diseases
	Prof. Dr. Bülent Özbay
	Assoc. Prof. Dr. Özlem Şengören Dikiş
	Assoc. Prof. Dr. Özge Oral TAPAN
	Asist. Prof. Dr. Utku TAPAN
	Asist. Prof. Dr. Sabri Serhan Olcay
	Otorhinolaryngology
	Assoc.Prof.Dr. Ozan Gökdoğan
	Medical Genetics
	Assoc.Prof.Dr. Evren GÜMÜŞ
	Pediatrics
	Assoc.Prof.Dr. Özkan İlhan
	Asist.Prof.Dr. Sibel Tiryaki
	Pediatrics Surgery
	Assoc.Prof.Dr. Alev Süzen
	Radiology
	Assoc.Prof.Dr. Funda Dinç
	Undersea and Hyperbaric Medicine
	Asist.Prof.Dr. Serkan ERGÖZEN
	Biophyscis
	Asist.Prof.Dr. Tanju Mercan

## **TEACHING METHODS-TECHNIQUES**

Phase 3 Committee 2 Teaching Methods				
Theoretical				
Classroom Lesson	+			
Problem based Learning	-			
Practical				
Laboratory Studies	+			
Practical Bedside Trainings	+			
Proffesional Skills	+			
Structured free study hours	+			
Field practice	+			

## PHYSICAL SPACES

Classrooms and Study Areas	1. Faculty of Medicine Classroom-III
	2. Pathology Laboratory

## **RELATED LEGISLATION**

http://www.tip.mu.edu.tr/tr/ilgili-mevzuat-6641

## **COMMITTEE CLASS HOURS DISTRIBUTION**

Course Lessons	Theoretical H	Practical H	Total H
Medical Pathology	22	4	26
Medical Pharmacology	40		40
Clinical Microbiology	6		6
Clinical Biochemistry	6		6
Medical Genetics	2		2
Biophysics	5		5
Cardiology	13		13
Chest Diseases	10		10
Otorhinolaryngology	5		5
Pediatrics	4		4
Radiology	1		1
Pediatric Surgery	2		2
Underwater and Hyperbaric Medicine	1		1
Professional Skills		4	4
Clinical Skills		8	8
TOTAL	117	16	133

## **AIM(S) of the COMMITTEE**

- In this committee, it is aimed that the students learn the pathogenesis, genetics, symptoms, findings, diagnosis, treatment approaches, prevention methods of the most common circulatory and respiratory system diseases in the clinic.
- In this committee, it is aimed that students gain circulatory and respiratory system examination skills.

## **OBJECTIVE(S)** of the **COMMITTEE**

- To be able to explain the pathogenesis, clinical findings, diagnosis and treatment methods of the most common acute and chronic respiratory and circulatory system diseases.
- To be able to explain the classification, mechanism of action, indications, contraindications and side effects of drugs that affect the autonomic nervous system, cardiovascular and respiratory system.
- To be able to explain the microbiology laboratory approaches for diagnosis in heart, circulatory, lower and upper respiratory tract infections, and the principles of appropriate sample selection, collection and transplantation.
- To be able to examine the circulatory and respiratory system, head and neck in pediatric and adult patients
- To be able to describe the functioning of Chest Diseases, Cardiology, Pediatrics, Cardiovascular Surgery clinics
- To be able to explain the biochemical features of circulatory and respiratory system diseases.
- To be able to explain the importance of genetic factors in the development of cardiovascular diseases and metabolic diseases.
- To be able to define radiotherapy, radioactivity-based imaging methods, radiological modalities and algorithms specific to diseases, to be able to read chest X-rays in accordance with their technique.
- To be able to explain the approach of hyperbaric oxygen therapy in diseases caused by peripheral vascular problems.
- Ability to apply learned examination skills in the clinic
- To be able to define cardiovascular system diseases, to explain the physiopathology, symptoms, physical examination methods, risk factors and diagnostic methods of cardiovascular system diseases.
- To be able to define respiratory system diseases, to explain their physiopathology, symptoms, physical examination and diagnostic methods.
- To be able to have information about ENT and upper respiratory tract anatomy, physiology and pathology, to explain imaging and examination methods.

## **INTENDED LEARNING OUTCOME(S)**

• Explain the pathogenesis, clinical findings, diagnosis and treatment methods of the most common acute and chronic respiratory and circulatory system diseases.

- Explain the classification, mechanism of action, indications, contraindications and side effects of drugs that affect the autonomic nervous system, cardiovascular and respiratory system.
- Explain the principles of microbiology laboratory approaches, appropriate sample selection, collection and transplantation in heart, circulatory, lower and upper respiratory tract infections.
- Can perform circulatory and respiratory system, head and neck examination in pediatric and adult patients.
- Defines the functioning of Chest Diseases, Cardiology, Pediatrics, Cardiovascular Surgery clinics.
- Explain the biochemical features of circulatory and respiratory system diseases.
- Explain the importance of genetic factors in the development of cardiovascular diseases and metabolic diseases.
- Can define radiotherapy, radioactivity-based imaging methods, radiological modalities
  and algorithms specific to diseases, and can read chest X-rays in accordance with their
  technique.
- Explain the hyperbaric oxygen therapy approach in diseases that develop as a result of peripheral vascular problems.
- Can apply learned examination skills in the clinic.
- Define cardiovascular system diseases, explain the physiopathology, symptoms, physical examination methods, risk factors and diagnostic methods of cardiovascular system diseases.
- Define respiratory system diseases, explain physiopathology, symptoms, physical examination and diagnostic methods.
- Have knowledge about ENT and upper respiratory tract anatomy, physiology and pathology, can explain imaging and examination methods.

## **RECOMMENDED RESOURCE(S)**

- 1. Amy L.Leber: Clinical Microbiology Procedures Handbook, 4th Ed. 2016
- 2. Klinik Mikrobiyoloji Yöntemleri El Kitabı, Lynne S. Garcia
- 3. Physiology and Medicine of Hyperbaric Oxygen Therapy, Thom S. Neuman, Stephan R. Thom
- 4. Oğuz Kayaalp Akılcıl Tedavi Yönünden Tıbbi Farmakoloji 1-2
- 5. Medical Genetics 5th Edition
- 6. Robbins Hastalığın Patolojik Temeli

## **ASSESMENT and EVALUATION**

#### Phase 3 Committee 2 Exam Schedule

Theoratical Exam: 3rd Committee Theoratical Exam 28 November 2024 Thursday

**Practical Exams:** 

Medical Pathology Practical Exam
 Professional Skills Exam
 November 2024 Thursday
 Professional Skills Exam
 November 2024 Friday

#### Phase 3 Committee 2 Question Distribution

Board Lessons	Number of questions
Medical Pathology	13
Medical Pharmacology	28
Clinical Microbiology	4
Clinical Biochemistry	4
Medical Genetics	1
Biophysics	4
Cardiology	9
Chest Diseases	7
Otorhinolaryngology	4
Pediatrics	3
Radiology	1
Pediatric Surgery	1
Underwater and Hyperbaric Medicine	1
Professional Skills Exam	6 points
Medical Pathology Practical	4 points (8 questions)
Formative Exam (Pharmacology, Pathology)	10 points (15, 10 questions)
Total	100

Committee Applications	NUMBER	Value (%)
Practical Exam	Medical Pathology	4
Professional Skills Exam	1	6
Formative exam	1	10
Committee Therotical Exam (Multiple Choice Exam-MCE etc.)	At the end of each course committee, a "Course Board Exam" is held, which includes multiple-choice exam questions covering that course committee.	80
Total		100

COMMITTEE EXAM SPECIFICATION TABLE			
Objective	Training method	Assessment method	Exam score distribution
the pathogenesis, clinical findings, diagnosis and treatment methods of the most common acute and chronic respiratory and circulatory system diseases.	T, P	ÇS	5
indications, contraindications and side effects of drugs that affect the autonomic nervous system, cardiovascular and respiratory systems.	Т	ÇS	5
To be able to explain the microbiology laboratory approaches for diagnosis of heart, circulatory, lower and upper respiratory tract infections, and the principles of appropriate sample selection, collection and transportation.	Т	ÇS	5
Ability to examine the circulatory and respiratory systems, head and neck in children and adults	Т	ÇS	3
Ability to describe the functioning of Chest Diseases, Cardiology, Pediatrics, Cardiovascular Surgery clinics	Т	ÇS	4
To be able to explain the biochemical characteristics of circulatory and respiratory system diseases.	T	ÇS	15
To be able to explain the importance of genetic factors in the development of cardiovascular and metabolic diseases.	Т	ÇS	15

radiotherapy, radioactivity-based imaging methods, disease-specific radiological modalities and algorithms, and to read chest radiography in accordance with the technique.	Т	ÇS	10
Peripheral To be able to explain the hyperbaric oxygen therapy approach in diseases that develop as a result of vascular problems.	Т	ÇS	7
Ability to apply learned examination skills in the clinic	Т	ÇS	1
cardiovascular system diseases, to explain the pathophysiology , symptoms, physical examination methods, risk factors and diagnostic methods of cardiovascular system diseases .	T, MBU	ÇS, PS	2
To be able to define respiratory system diseases, explain their pathophysiology, symptoms, physical examination and diagnostic methods.	T, MBU	ÇS, PS	2
To be able to have knowledge about ENT and upper respiratory tract anatomy, physiology and pathology and to explain imaging and examination methods.	Т	ÇS	5
Ability to identify congenital anomalies of the respiratory system and foreign body aspiration	Т	ÇS	1
the pathogenesis, clinical findings, diagnosis and treatment methods of the most common acute and chronic respiratory and circulatory system diseases.	T, P	ÇS, PS	6

T: Theoretical education, P: Practical education, SSM: Special Study Module, MC: Multiple choice exam, PE: Practical Exam.

Faculty of Medicine English Medicine Program Phase 3 Committee 2 Competence Matrix													
Course	PO1	P02	PO3	PO4	PO5	P06	P07	P08	P09	PO10	PO11	PO12	PO13
Phase 3 Committee 2	5	5	2	3	1	1	3	1	2	1	1	4	4

<sup>\*</sup> Completed according to the following program outcomes. (Score from 0 to 5.) PO: Program Outcomes of Faculty of Medicine

PO Link: https://muweb.mu.edu.tr/tr/program-yeterlilikleri-6598?site=tip.mu.edu.tr

## **COURSE CONTENT OF THE COMMITTEE**

## Medical Pharmacology Introduction to Autonor

## Course content

Introduction to Autonomic Nervous System drugs

Parasympathomimetic and parasympatholytic drugs

Sympathomimeticand Sympatholytic Drugs

Nicotine, other ganglion stimulants

Nitric oxide

Antiplatelet, Anticoagulant and Fibrinolytic Drugs

Antihypertensive agents

Hypolipidemic drugs

Anti-arrhythmic drugs

Peripheral Vasodilators

Anti- anginal drugs

bronchial asthma and COPD

Drugs used in congestive heart failure

Mucolytics, expectorants and antitussive drugs

Anti mycobacterial drugs

Symptomatic treatment of URTI

Autacoids

Histamine and antihistamine drugs

Vasoactive peptides

Prostaglandins and other Eicosanoids

**Antiviral Drugs** 

Antifungal Drugs

#### **Clinical Microbiology**

Laboratory diagnosis and evaluation of results in septicemia cases

Laboratory diagnosis of lower and upper respiratory tract infections and evaluation of results

Diagnosis of cardiac infections and evaluation of laboratory results.

#### **Medical Pathology**

Atherosclerosis

Ischemic heart diseases

Vasculitis and aneurysms

Venous -lymphatic diseases, tumors

Upper respiratory tract lesions

Chronic obstructive pulmonary diseases

Hypertensive heart diseases

Cardiomyopathies and Pericardial diseases

Cardiomyopathies

Heart transplantation and heart tumors

Skin cysts and tumors

Restrictive lung diseases

Pulmonary Infections

Lung tumors

Pleural diseases

#### **Clinical Biochemistry**

Plasma Proteins and Protein Electrophoresis

Biochemistry of acute coronary syndrome

Molecular tests in thromboembolism

#### **Medical Genetics**

Cystic Genetics of Fibrosis

**Current Genetic Treatments** 

Virus Genetics

Genetic changes observed in metabolic diseases

Genetics of CVS diseases

#### **Underwater Medicine and Hyperbaric Medicine**

Peripheral Hyperbaric Oxygen Applications in Vascular Diseases

#### Cardiology

Physical examination in cardiac patients

Basic symptoms of heart diseases

**Acute Coronary Syndromes** 

Pericarditis, myocarditis

Diagnostic methods used in cardiology

Hypertension

Atherosclerosis and risk factors

Stable coronary artery disease and Angina pectoris

Heart failure

ECG and pathophysiology of arrhythmias

Valve diseases

#### **Chest Diseases**

Respiratory System Symptoms

Physical Examination of the Respiratory System

Diagnostic Methods in Chest Diseases

Pneumonias

Lung Cancer

Chronic Obstructive Pulmonary Disease

Pleural fusion

Pulmonary embolism

Asthma

Tuberculosis

Diffuse Interstitial Lung Diseases

#### Ear-Nose-Throat

ENT Examination Methods

Surgical anatomy and physiology of the upper respiratory tract

**ENT Infections** 

**ENT Surgical Pathologies and Imaging** 

#### **Pediatrics**

Respiratory system examination

Cardiovascular system examination

Cardiovascular system examination

#### **Pediatric Surgery**

Congenital anomalies of the respiratory system -foreign body aspiration

#### Radiological

Respiratory System Radiology

#### **Professional Skills**

Skill 1: Cardiac and Vascular System Examination

Skill 2: Respiratory System Examination

Skill 3: ENT and head and neck examination in adults

Skill 4: Pediatric Cardiovascular and Respiratory System Examination

#### **Clinical Applications**

Child Health and Diseases

Pediatric Surgery

Cardiology

Chest Diseases

Ear Nose Throat

Cardiovascular Surgery

Community-Based Field Applications

# THE RELATIONSHIP WITH THE LEARNING OBJECTIVES AND THE ACTIVITY IN THE TRAINING PROGRAM

	Course content	Aims	Measuring method
	Medical Pharmacology		
1	Introduction to Autonomic Nervous System drugs	2	Т
2	Parasympathomimetic and parasympatholytic drugs	2	Т
3	Sympathomimeticand Sympatholytic Drugs	2	T
4	Nicotine, other ganglion stimulants	2	Т
5	Nitric oxide	2	Т
6	Antiplatelet, Anticoagulant and Fibrinolytic Drugs	2	T
7	Hypolipidemic drugs	2	Т
8	Antihypertensive agents	2	Т
9	Anti-arrhythmic drugs	2	Т
10	Peripheral Vasodilators	2	Т
11	Anti- anginal drugs	2	Т
12	bronchial asthma and COPD	2	Т
13	Drugs used in congestive heart failure	2	Т
14	Mucolytics , expectorants and antitussive drugs	2	Т
15	Anti mycobacterial drugs	2	Т
16	URTI symptomatic treatment	2	Т
17	Autacoids	2	T
18	Histamine and antihistamine drugs	2	T
20	Vasoactive peptides	2	Т
21	Prostaglandins and other Eicosanoids	2	Т
22	Antiviral Drugs	2	Т
23	Antifungal Drugs	2	Т
	Clinical Microbiology		
24	Laboratory diagnosis and evaluation of results in	3	Т
	septicemia cases		
25	Laboratory diagnosis of lower and upper respiratory tract	3	T
	infections and evaluation of results		
26	Diagnosis of cardiac infections and evaluation of	3	T
	laboratory results .		
	Medical Pathology		
27	Atherosclerosis	1	T, P
28	Ischemic heart diseases	1	T, P
29	Vasculitis and aneurysms	1	T, P
30	Venous -lymphatic diseases, tumors	1	T, P

1	31	Upper respiratory tract lesions	1	T, P
33         Hypertensive heart diseases         1         T, P           34         Cardiomyopathies and Pericardial diseases         1         T, P           35         Cardiomyopathies and Pericardial diseases         1         T, P           36         Heart transplantation and heart tumors         1         T, P           37         Skin cysts and tumors         1         T, P           38         Restrictive lung diseases         1         T, P           40         Lung tumors         1         T, P           41         Pulmonary Infections         1         T, P           41         Lung tumors         1         T, P           41         Pulmonary Infections         1         T, P           41         Lung tumors         1         T, P           41         Pulmonary Infections         1         T, P           41         Lung tumors         1         T, P           42         Plasma Proteins and Proteins				
34         Cardiomyopathies and Pericardial diseases         1         T, P           35         Cardiomyopathies         1         T, P           36         Heart transplantation and heart tumors         1         T, P           37         Skin cysts and tumors         1         T, P           38         Restrictive lung diseases         1         T, P           39         Pulmonary Infections         1         T, P           39         Pulmonary Infections         1         T, P           39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           42         Plasma Proteins and Protein Electrophoresis         6         T           43         Biochemistry         6         T           44         Molecular tests in thromboembolism         6         T           44         Molecular tests in thromboembolism         6         T           45         Cystic Genetics of Fibrosis         7         T           46         Current Genetics         7         T </th <th></th> <th></th> <th></th> <th></th>				
35         Cardiomyopathies         1         T, P           36         Heart transplantation and heart tumors         1         T, P           37         Skin cysts and tumors         1         T, P           38         Restrictive lung diseases         1         T, P           39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         6         T           41         Pleural diseases         6         T           42         Plasma Proteins and Protein Electrophoresis         6         T           43         Biochemistry of acute coronary syndrome         6         T           44         Molecular tests in thromboembolism         6         T           44         Molecular tests in thromboembolism         6         T           45         Cystic Genetics         7         T           45         Cystic Genetics         7         T				
36         Heart transplantation and heart tumors         1         T, P           37         Skin cysts and tumors         1         T, P           38         Restrictive lung diseases         1         T, P           39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           42         Pleural diseases         6         T           43         Biochemistry of acute coronary syndrome         6         T           44         Molecular tests in thromboembolism         6         T           44         Molecular tests in thromboembolism         6         T           45         Cystic Genetics         7         T           45         Cystic Genetics of Fibrosis         7         T           47         Virus Genetics         7         T           48         Genetic changes observed in metabolic diseases         7         T <th></th> <th></th> <th></th> <th></th>				
37         Skin cysts and tumors         1         T, P           38         Restrictive lung diseases         1         T, P           39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           42         Plasma Proteins and Protein Electrophoresis         6         T           43         Biochemistry of acute coronary syndrome         6         T           44         Molecular tests in thromboembolism         6         T           44         Molecular tests in thromboembolism         6         T           45         Cystic Genetics         7         T           45         Cystic Genetics of Fibrosis         7         T           46         Current Genetic Treatments         7         T           47         Virus Genetics         7         T           48         Genetics of CVS diseases         7         T           49         Genetics of CVS diseases         7         T           40         Index of Coronary Analytic Medicine         9         T <th></th> <th>J 1</th> <th></th> <th></th>		J 1		
38         Restrictive lung diseases         1         T, P           39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         6         T           Clinical Biochemistry				
39         Pulmonary Infections         1         T, P           40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           41         Pleural diseases         1         T, P           42         Plasma Proteins and Protein Electrophoresis         6         T           43         Biochemistry of acute coronary syndrome         6         T           44         Molecular tests in thromboembolism         6         T           44         Molecular tests in thromboembolism         6         T           45         Cystic Genetics         7         T           46         Current Genetic Treatments         7         T           47         Virus Genetics         7         T           47         Virus Genetics         7         T           48         Genetic changes observed in metabolic diseases         7         T           49         Genetics of CVS diseases         7         T           49         Genetics of CVS diseases         7         T           40         Underwater Medicine         9         T           50         Peripheral Hyperbaric Oxygen Applications in Vascular Diseases		ž		
40         Lung tumors         1         T, P           41         Pleural diseases         1         T, P           Clinical Biochemistry				
41Pleural diseases1T, PClinical Biochemistry242Plasma Proteins and Protein Electrophoresis6T43Biochemistry of acute coronary syndrome6T44Molecular tests in thromboembolism6TMedical Genetics		<del>,</del>		
Clinical Biochemistry  Plasma Proteins and Protein Electrophoresis  Biochemistry of acute coronary syndrome  Molecular tests in thromboembolism  Medical Genetics  Systic Genetics of Fibrosis  Current Genetic Treatments  Genetic Changes observed in metabolic diseases  Cenetics of CVS diseases  Underwater Medicine and Hyperbaric Medicine  Peripheral Hyperbaric Oxygen Applications in Vascular Diseases  Cardiology  Physical examination in cardiac patients  Acute Coronary Syndromes  Acute Coronary Syndromes  Pericarditis, myocarditis  Acute Coronary Syndromes  Hypertension  Hypertension  Atherosclerosis and risk factors  Heart failure  Chest Diseases  Respiratory System Symptoms  Physical examination of the Respiratory System  Cardiology  11 T  12 T  13 T  14 T  15 Stable Coronary Syndromes  11 T  15 Stable Coronary Syndromes  11 T  12 T  13 T  14 T  15 Stable Coronary Syndromes  11 T  15 Stable Coronary Syndromes  11 T  15 Stable Coronary Syndromes  11 T  12 T  13 T  14 T  15 Stable Coronary Syndromes  11 T  15 Stable Coronary Syndromes  11 T  12 T  13 T  14 T  15 Stable Coronary Syndromes  11 T  15 Stable Coronary Syndromy of arrhythmias  11 T  12 T  13 T  14 T  15 Stable Coronary Syndromy of arrhythmias  11 T  15 Stable Coronary Syndromy of arrhythmias  11 T  12 T  13 T  14 T  15 Diagnostic Methods in Chest Diseases  12 T  14 Diagnostic Methods in Chest Diseases  12 T  15 Diagnostic Methods in Chest Diseases  12 T  15 Diagnostic Methods in Chest Diseases  12 T  15 Diagnostic Methods Pulmonary Disease		0		
42     Plasma Proteins and Protein Electrophoresis     6     T       43     Biochemistry of acute coronary syndrome     6     T       44     Molecular tests in thromboembolism     6     T       Medical Genetics     7     T       45     Cystic Genetics of Fibrosis     7     T       46     Current Genetic Treatments     7     T       47     Virus Genetics     7     T       48     Genetic changes observed in metabolic diseases     7     T       49     Genetics of CVS diseases     7     T       49     Genetics of CVS diseases     7     T       49     Genetics of CVS diseases     7     T       49     Genetics of CVS diseases     7     T       49     Genetics of CVS diseases     7     T       49     Genetics of CVS diseases     7     T       40     Peripheral Hyperbaric Oxygen Applications in Vascular Diseases     9     T       50     Peripheral Hyperbaric Oxygen Applications in Vascular Diseases     9     T       51     Physical examination in cardiac patients     11     T       52     Basic symptoms of heart diseases     11     T       53     Acute Coronary Syndromes     11     T       54	41		1	1, 1
43       Biochemistry of acute coronary syndrome       6       T         44       Molecular tests in thromboembolism       6       T         Medical Genetics	40	•		
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70	Asthma	12	T
71	Tuberculosis	12	T
72	Diffuse Interstitial Lung Diseases	12	T
	Ear-Nose-Throat		
73	ENT Examination Methods	13	T, P
74	Surgical anatomy and physiology of the upper respiratory	13	T
	tract		
75	ENT Infections	13	T
76	ENT Surgical Pathologies and Imaging	13	T
	Child Health and Hospital		
77	Respiratory system examination	4	T, P
78	Cardiovascular system examination	4	T, P
	Pediatric Surgery		
80	Congenital anomalies of the respiratory system -foreign	14	T
	body aspiration		
	Radiological		
81	Respiratory System Radiology	8	Т
	Professional Skills		
82	Peripheral Artery Examination	10.4	P
83	Cardiovascular System Examination	10.4	P
84	Respiratory System Examination	10.4	P
85	ENT head and neck examination	10.4	P
86	Pediatric Cardiovascular System and Respiratory System	10.4	P
	Examination		
	Clinical Applications		
87	Cardiology	5	P
88	Chest diseases	5	P
89	Ear-Nose-Throat	5	P
90	Cardiovascular Surgery	5	P

Assessment Method: Practical exam (P), Oral exam (S), Theoretical multiple choice

## **DUTIES and RESPONSIBILITIES OF STUDENTS and OTHER ISSUES**

#### **EDUCATIONAL PROGRAM**

- 1. Education in the faculty is carried out with an integrated system, the subjects and hours of which are arranged on the basis of coordination.
- 2. Education; In Phase I, Phase II and Phase III, it consists of common compulsory and elective courses with course committees conducted in an integrated system. In Phase I, Phase II and Phase III, one year is a whole and is considered as a single course, excluding common compulsory and elective courses.

#### **LESSONS**

- 1. Each semester in the faculty's education program is a prerequisite for the next semester. Except for the common compulsory courses and elective courses, it is not possible to proceed to the next semester without completing all the courses, practices and courses of a semester.
- 2. Students who fail common compulsory and elective courses in Phase I, Phase II and Phase III continue to the next semester. However, students must be successful in these courses before starting Phase IV.

#### **ECTS:**

- 1. The sum of course credits for an academic year is 60 ECTS.
- 2. In order to graduate from the Faculty of Medicine at the end of 6 years of education, the minimum graduation credit must be 360 ECTS and the overall grade point average must be at least 2.00.

#### **OBLIGATION TO CONTINUE**

- 1. The principles regarding the attendance of students in Phase I, Phase II and Phase III are as follows:
- 2. Attendance at the faculty is compulsory. The follow-up method of attendance at the faculty is determined by the Dean's Office.
- 3. Each of the committees in Phase I, Phase II and Phase III are evaluated within itself. A student who does not attend more than 30% of the theoretical courses in these course

committees, with or without an excuse, receives a zero grade from that course committee and cannot take the exam.

- 4. In Phase I, Phase II and Phase III, students who exceed 30% in all theoretical courses in a phase, whether or not they have an excuse for absenteeism, are not entitled to take the final and make-up exams. These students are given a TT grade.
- 5. With or without an excuse, a student who does not attend more than 20% of the total practical course hours of the department with 10 or more practical lessons is not taken to the practical exam of that department and the practice grade is evaluated as zero. In this case, the student is treated as having a score under the threshold from the practical exam separately.
- 6. With or without an excuse, a student who does not attend two hours of the practical courses of the department with less than 10 hours of practical lessons in a course committee is not taken to the practical exam of that department and the practice grade is evaluated as zero. In this case, the student is treated as having a score under the threshold from the practical exam separately.
- 7. Professional (vocational) skills practices are evaluated as a whole. If the total professional skills practices in a course committee are less than 10 hours, the student who does not participate in the 2 course hours, and if the total professional skills practices in the course committee are more than 10 hours, the student who does not attend more than 20% of the total course hours, the professional skills practice / application grade in that course committee is evaluated as zero. In this case, the student will be below the threshold in addition to the professional skills practice/practice exam.

#### RECOGNITION OF PRIOR EDUCATION

- 1. Students apply to the Dean's Office with a petition within the first week of the academic year in order to have the courses they have taken and succeeded from other higher education institutions recognized and adapted.
- 2. In the petition, the courses they want to be exempted from and the grades they get from these courses are clearly stated. In the annex of the petition, documents approved by the official authorities regarding their previous education, the grades of the courses they have previously completed, and their content are submitted.

#### **EVALUATION OF SUCCESS IN PHASE I, PHASE II, PHASE III EXAMS**

1. The following principles are followed in calculating the exam grades of the course committees:

- 2. Board exams are made as written exams and/or by using alternative methods such as homework/project. Exams can be conducted face-to-face and/or using digital facilities. In addition to the written exams, practical-practice and/or oral exams can be made by using face-to-face and/or digital facilities in the committees with practice. Different assessment methods can be determined for problem-based teaching, vocational skills training and other similar training practices.
- 3. The total grade of practical courses and their distribution according to the courses, the grade weight of the vocational skills practices, problem-based teaching (PBL) and other similar education and examination practices and the distribution according to the boards are determined by the Phase coordinators in line with the content of the education-training program.
- 4. In a course committee exam, each course and practice/practice exam has its own threshold. The threshold limit is 50%. If the student gets a grade below 50% in one or more of the courses that make up the board in the course committee exam, the score difference between the score obtained in that branch and 50% of the total score of that branch is deducted from the total score of the exam, and the exam grade of that course committee is determined. For the courses whose number of questions is less than 5% of the total number of questions in that exam, the relevant phase coordinator may decide to combine the dam application. Theoretical and practical points of the courses that make up the course committee are added together, and the course board exam score is found.
- 5. If the result is negative in the calculation of the total score of the course committee, this score is evaluated as zero.
- 6. Phase committees average grade: To calculate the phase committees average grade point; The ECTS value of each committee in that period is multiplied by the coefficient of the letter grade received from that committee. The values found as a result of the multiplication are added together and the total value obtained is divided by the total ECTS value of these committees. The resulting average is displayed as two decimal places.
- 7. Course committees are made by using alternative methods such as end-of-Phase (final) and make-up exams, written exams and/or homework/projects. Exams can be conducted face-to-face and/or using digital facilities. In addition to the written exams, a practical (practice) and/or oral exam can also be conducted using face-to-face and/or digital facilities.
- 8. In order to be considered successful, it is obligatory to get at least 50 points from the course committees end-of- Phase exam or the course committees make-up exam.

- 9. The final grade of the course committees is the grade obtained by adding 60% of the average grade of the course committees and 40% of the grade received from the final exam. In the calculation of the final grade of the students who fails, the grade taken from the make-up exam is taken as a basis instead of the grade from the final exam. In order for the student to move up to the next grade, he/she must get at least 50 from the course committees end-of- Phase exam or make-up exam, and The final grade of the course committees must be at least 60 out of 100.
- 10. The provisions of Muğla Sıtkı Koçman University Associate and Undergraduate Education Regulations published in the Official Gazette dated 27/8/2011 and numbered 28038 are applied in the conduct of common compulsory courses and non-TIP/MED coded elective/compulsory courses and in the evaluation of their exams.

#### RIGHT TO EXEMPTION FROM THE END OF PHASE (FINAL) EXAM

- 1. Students with an average grade of 85 and above in the course committees and a score of at least 60 and above from each course committee are not required to take the end-of- Phase exam. The average grade of the course committees of the students who have the right to be exempted from the end-of- Phase exam is accepted as the end-of- Phase success grade of the course committees.
- 2. Students who want to take the end-of- Phase exam, although they have obtained the right to be exempted from the end-of- Phase exam, must notify the Dean's Office in writing at least 7 days before the exam date. For students who take the end-of- Phase exam in order to raise their grades, the end-of- Phase exam score is taken into consideration when calculating the final grade of the course committees.

#### PHASE REPEAT

1. A student whose end-of- Phase exam grade or make-up exam grade and course committees end-of-semester success grade is below the scores specified in this regulation is considered unsuccessful and failed in the class. These students repeat that semester one more time and retake the exams. In these repetitions, students are obligated to attend classes.

#### RESPONSIBILITIES

- 1. They strive to make the classroom atmosphere nurturing to learning.
- 2. They are fair in their judgments about their friends and respectful of the existence of all people in the resolution of conflicts.

- 3. They respect cultural differences.
- 4. They are intolerant of all kinds of discrimination.
- 5. They maintain academic integrity and act accordingly.
- 6. They take an impartial attitude towards research, explain the results accurately, and state the studies and ideas that have been made or developed by others.
- 7. They act in a respectful and cooperative manner in interaction with all members of the healthcare team.
- 8. Take care of their appearance, be present in a professional and clean manner, and do not wear clothing and jewelry (jewelry, tattoos, or other symbols) that may interfere with the physical care of patients or communication with them.
- 9. They behave professionally in 9th grade classes, in clinical settings, in the way of speaking before the patient, reliability and appearance.
- 10. In their clinical practice, they always carry the university's identity or name badges on their aprons.
- 11. They introduce themselves to patients and their relatives as "medical students".
- 12. They participate in all clinical practices they are assigned to and inform the relevant people about their excuses in advance.
- 13. Respect the privacy of patients when interacting with them.
- 14. They consider confidentiality a fundamental obligation in patient care.
- 15. In their interaction with patients, instructors cannot act without their supervision or knowledge.
- 16. They keep all medical records related to patient care confidential and ensure that educational discussions about these records are held in accordance with the principles of confidentiality.
- 17. They report any illegal and unprofessional practices they observe to the authorities.
- 18. They make discussions about hospital staff and patients in a way that no one can hear except in common areas.
- 19. They treat patients and their relatives, as well as other members of the healthcare team, with respect and seriousness in their dialogue and discussion.
- 20. They know their limitations and seek help when their experience is insufficient.
- 21. During training and practice studies and exams, they do not make any unauthorized video, audio and similar recordings and do not share these recordings with third parties (including in social media, internet and similar environments), do not use or collect them for other purposes.

- 22. They act in accordance with the principles regarding attendance and other matters of Phase I, II and III students in the MSKU Faculty of Medicine Education-Training and Examination Regulations.
- 23. Students know the rules to be followed by students in MSKU Faculty of Medicine Pre-Graduation Education, students' responsibilities and duties and act accordingly.
- 24. Students know the issues in the Student Guides for MSKU Faculty of Medicine Student Laboratory Practices and act in accordance with these issues.

#### Please read:

- 1. The Rules to be Followed by Students in MSKU Faculty of Medicine Pre-Graduation Education, Students' Responsibilities and Duties
- 2. Student Guides for MSKU Faculty of Medicine Student Laboratory Practices

#### **ENGLISH MEDICINE PROGRAM**

Common Compulsory Courses English Medicine Program: Foreign Language (English-German-French 1-2-3-4), Principles of Atatürk and Revolutionary History 1-2 (International Student: ATBY2801, ATBY2802), Turkish Language 1-2 (International Student: TDBY1801, TDBY1802), Introduction to Information & Communication Technologies (Names and codes of the lessons may differ slightly from year to year)

MSKU Faculty of Medicine Education and Examination Regulations: Students who fail common compulsory and elective courses in Phase I, Phase II and Phase III continue to the next semester. However, students must be successful in these courses before starting Phase IV. Compulsory Observation Training 1-2: Students who successfully complete the Phase 1 do their compulsory observation training in a primary healthcare institution for ten working days during the summer or half year vacation period; Students who successfully complete Phase 2 do their compulsory observation training in a secondary or tertiary healthcare institution for ten working days during the summer or half year vacation period. Completing the observation trainings is a prerequisite for starting Phase 4. It is a prerequisite to pass the Occupational Health and Safety course in order to do the Compulsory Observation Training. Compulsory Observation Training Course is planned to come into effect in the 2023-2024 academic year.

International students enrolled in the English Medicine Program: Until Phase 4, the original document proving that they can speak Turkish at the B2 level, taken from the centers providing Turkish education (Turkish and Foreign Language Application and Research

Center-TÖMER, etc.) accepted by YÖK, has to be submitted to the Dean's Office. Students who cannot meet the Turkish proficiency requirement cannot continue to Phase 4 until they have the prerequisite Turkish proficiency certificate.

Courses Required Before Passing to Phase 4 of the English Medicine Program: Foreign Language (English-German-French) 1-2-3-4, Principles of Atatürk and Revolutionary History 1-2 (Foreign Student: ATBY2801, ATBY2802), Turkish Language 1-2 (Foreign Student: TDBY1801, TDBY1802), Introduction to Information & Communication Technologies, Phase 1 Elective Course, Compulsory Observation Training 1-2, Turkish Proficiency Certificate specified in the regulation for international students (Names and codes of the lessons may differ slightly from year to year) (Register from the Student Information System and check your success at regular intervals.)

**Registration for Common Compulsory Courses and Elective Courses:** Students have to register for these courses themselves through the student information system and follow up all the courses that you have to achieve regularly through the student information system by entering the student information system at least once a week.

#### Disclaimer:

The information given in the guide above is for informing students only and does not have any legal status. Keep in mind that there may be changes over time due to the names of the courses, their codes, legal regulations, the decisions of board of coordinators, the decisions of the term coordinator and similar reasons.