



**MUĞLA SITKI KOÇMAN UNIVERSITY FACULTY of MEDICINE  
PHASE 2  
ENGLISH MEDICINE PROGRAM**

**2023/2024 Academic Year**

**Committee 1 GUIDEBOOK**

**Prepared By:**

**PHASE 2 COORDINATOR AND VICE-COORDINATORS**

# PREFACE

**Dear Students,**

Welcome to the phase II committee 1 which is an important part of your education.

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 2 Coordinatorship**

## GENERAL INFORMATION on COURSE

GENERAL INFORMATION	
<b>Year</b>	Phase 2- Committee 1
<b>Course Title</b>	Tissue Biology (1th) Committee
<b>Level of Course</b>	First Cycle
<b>Required/Elective</b>	Required
<b>Language</b>	English
<b>Course Code(s)</b>	<b>Committee Classes</b> MED 2001 Medical Biochemistry MED 2004 Anatomy MED 2003 Histology and Embryology MED 2006 Physiology MED 2007 Medical Microbiology <b>Others</b> YDB 2801      English III YDB 2802      English IV YDB 2813      German III YDB 2814      German IV YDB 2815      French III YDB 2816      French IV
<b>Duration of the course</b>	6 weeks
<b>ECTS:</b>	10

# TEACHING STAFF

<b>Phase Coordinator</b>	Asist. Prof. Dr. Hasan Tetiker
<b>Vice -Coordinators</b>	Assoc. Prof. Dr. Turan Demircan Asist. Prof. Dr. Egemen Kaya Asist. Prof. Dr. Şehbal Yeşilbaş M.D. Zeynep Nisa Karakoyun
<b>Head of the Committee</b>	Asist. Prof. Dr. Alper Aksözek
<b>Teaching staff of the Committee Program</b>	<p><b>Department of Anatomy</b></p> <ol style="list-style-type: none"> <li>1. Prof. Dr. Mehmet İlkey Koşar</li> <li>2. Assist. Prof. Dr. Hasan Tetiker</li> <li>3. Assist. Prof. Dr. Ceren Uğuz Gençer</li> <li>4. Assist. Prof. Dr. Mustafa Deniz Yörük</li> <li>5. M.D. Zeynep Nisa Karakoyun</li> </ol> <p><b>Department of Physiology</b></p> <ol style="list-style-type: none"> <li>1. Assist. Prof. Dr. Egemen Kaya</li> </ol> <p><b>Department of Histology and Embryology</b></p> <ol style="list-style-type: none"> <li>1. Prof. Dr. Feral Öztürk</li> <li>2. Assoc. Prof. Dr. Hülya Elbe</li> <li>3. Assoc. Prof. Dr.. Gürkan Yiğittürk</li> </ol> <p><b>Department of Medical Biochemistry</b></p> <ol style="list-style-type: none"> <li>1. Prof. Dr. İsmail Çetin Öztürk</li> <li>2. Assoc. Prof. Dr. Ercan Saruhan</li> </ol> <p><b>Department of Medical Microbiology</b></p> <ol style="list-style-type: none"> <li>1. Assist. Prof. Dr. Alper Aksözek</li> <li>2. Assist. Prof. Dr. Burak Ekrem Çitil</li> </ol>

## TEACHING METHODS-TECHNIQUES

<b>Theoretical</b>	
Classroom Lesson	+
<b>Practice</b>	
Laboratory Studies	+
<b>Structured Free Study Hours</b>	+

## PHYSICAL SPACES

<b>Classrooms and Study Areas</b>	<ol style="list-style-type: none"> <li>1. Faculty of Medicine Classroom-II</li> <li>2. Anatomy Laboratory</li> <li>3. Microbiology Laboratory</li> <li>4. Microscopy Laboratory</li> </ol>
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## RELATED LEGISLATION

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

## COMMITTEE CLASS HOURS DISTRIBUTION

LECTURES	Theoretical L.H	Practical L.H.	Total L.H.
Anatomy	32	12	44
Medical Biochemistry	4	-	4
Physiology	16	4	20
Histology and Embryology	26	15	41
Medical Microbiology	20	5	25
Foreign Language	15	-	15
<b>Total</b>	<b>113</b>	<b>37</b>	<b>154</b>

## AIM(S) of the COMMITTEE

1	In this committee, it is aimed that the students learn the histological features of the basic tissues of the human body, the anatomy of the muscles that make up the movement system, the biochemistry of the connective tissue and the physiological functions of the muscle and blood tissue.
2	In this committee, it is aimed that students learn basic information about microbiology, general medical bacteriology and sterilization.

## OBJECTIVE(S) of the COMMITTEE

1.	To be able to classify the types of muscles, be able to count their functions
2.	To be able to explain head-neck, back, upper-lower extremity muscles and fascia, vessels and nerves, origo and insertions theoretically and on a cadaver-model.
3.	To be able to discuss peripheral nerve injuries and their clinical reflections.
4.	To be able to tell the cells of epithelial and glandular tissue, cell shapes, cells of connective tissue, types, connective tissue elements, types of cartilage, bone and blood tissues, functional properties of cells and their locations.
5.	To be able to count the types of muscle tissue, the elements that make up the muscle tissue, the differences between muscle types and their contraction mechanisms.
6.	To be able to classify nervous tissue, to be able to define cells, general characteristics and functions of cells.
7.	To be able to explain the basic features of stem cells and their use in the clinic.
8.	To be able to describe the physiological properties of cell membranes
9.	To be able to explain the generation and conduction of the cell action potential and local potential.
10.	To be able to describe the contraction-relaxation mechanisms of the muscle, the structure and conduction physiology of the motor nerve cell.
11.	To be able to explain the components of blood, its physical and functional properties, to be able to describe the structure, content, functions of plasma and the substances that mediate these functions.
12.	To be able to discuss the causes and consequences of erythrocyte deficiency or excess, and to be able to discuss bleeding-coagulation mechanisms and the role of blood cells in the development of these mechanisms.
13.	To be able to distinguish leukocyte types, to be able to count blood groups, to be able to interpret erythrocyte-reticulocyte, hemoglobin, hematocrit, sedimentation, bleeding and coagulation tests.
14.	To be able to explain the biochemical mechanisms of connective tissue, to be able to define the sources of free radicals and antioxidant systems in the body, and to be able to discuss the oxidant damage of these radicals in the tissues.



15.	To be able to explain and classify basic information about microbiology and microorganisms.
16.	To be able to define and apply sterilization, disinfection and antisepsis methods and usage areas.
17.	To be able to explain the fields of interest, basic diagnostic methods and usage purposes of medical microbiology.
18.	To be able to explain the basic structure and functions of bacteria of medical importance.
19.	To be able to discuss the human microbiome and its effects on human health.

## INTENDED LEARNING OUTCOME(S)

1.	Can classify the types of muscles, be able to count their functions
2.	Can explain head-neck, back, upper-lower extremity muscles and fascia, vessels and nerves, origo and insertios theoretically and on a cadaver-model.
3.	Can discuss peripheral nerve injuries and their clinical reflections.
4.	Can tell the cells of epithelial and glandular tissue, cell shapes, cells of connective tissue, types, connective tissue elements, types of cartilage, bone and blood tissues, functional properties of cells and their locations.
5.	Can count the types of muscle tissue, the elements that make up the muscle tissue, the differences between muscle types and their contraction mechanisms.
6.	Can classify nervous tissue, can define cells, general characteristics and functions of cells.
7.	Can explain the basic features of stem cells and their use in the clinic.
8.	Can describe the physiological properties of cell membranes
9.	Can explain the generation and conduction of the cell action potential and local potential.
10.	Can describe the contraction-relaxation mechanisms of the muscle, the structure and conduction physiology of the motor nerve cell.
11.	Can explain the components of blood, its physical and functional properties, can describe the structure, content, functions of plasma and the substances that mediate these functions.
12.	Can discuss the causes and consequences of erythrocyte deficiency or excess, and can discuss bleeding-coagulation mechanisms and the role of blood cells in the development of these mechanisms.
13.	Can distinguish leukocyte types, can count blood groups, can interpret erythrocyte-reticulocyte, hemoglobin, hematocrit, sedimentation, bleeding and coagulation tests.
14.	Can explain the biochemical mechanisms of connective tissue, can define the sources of free radicals and antioxidant systems in the body, and can discuss the oxidant damage of these radicals in the tissues.

15.	Can explain and classify basic information about microbiology and microorganisms.
16.	Can define and apply sterilization, disinfection and antisepsis methods and usage areas.
17.	Can explain the fields of interest, basic diagnostic methods and usage purposes of medical microbiology.
18.	Can explain the basic structure and functions of bacteria of medical importance.
19.	Can discuss the human microbiome and its effects on human health.

# RECOMMENDED RESOURCE(S)

## KEY RESOURCE(S)

<b>Recommended Reading/ Studying materials</b>	<p><b>Anatomy</b></p> <ol style="list-style-type: none"> <li>1. Yasin Arifoğlu, Her yönüyle Anatomi. 2016, İstanbul Tıp Kitapevi</li> <li>2. Moore Clinically Oriented Anatomy 7th Edition</li> <li>3. Sobotta Atlas of Human Anatomy, 15th Edition</li> <li>4. Netter İnsan Anatomisi Atlası, 6. Baskı- Frank H. Netter, M.D</li> <li>5. Atlas of Human Anatomy, Sixth Edition- Frank H. Netter, M.D</li> <li>6. Arıncı K, Elhan A; Anatomi 1-2. Güneş kitapevi</li> <li>7. Snell RS, Klinik Anatomi, Nobel Tıp Kitapevi</li> </ol> <p><b>Medical Biochemistry</b></p> <ol style="list-style-type: none"> <li>1. Bhagavan's Medical Biochemistry</li> <li>2. Tietz Textbook of Clinical Chemistry</li> <li>3. Harpers Biochemistry</li> <li>4. Marks' Essentials Of Medical Biochemistry</li> </ol> <p><b>Physiology</b></p> <ol style="list-style-type: none"> <li>1. Guyton and Hall Textbook of Medical Physiology 13e pdf</li> <li>2. Ganong's Review of Medical Physiology, 26th Edition</li> <li>3. Vander's Human Physiology 14th e</li> </ol> <p><b>Histology-Embryology</b></p> <ol style="list-style-type: none"> <li>1. Textbook of Histology 5th Edition. Leslie P. Gartner, PhD, Elsevier, 2020.</li> <li>2. Histology: A Text and Atlas. Ross MH, Pawlina W. 8th ed. Lippincott Williams &amp; Wilkins, USA, 2019.</li> <li>3. Netter's Essential Histology. Ovalle WK, Nahirney PC. 3rd ed. Saunders Elsevier, Philadelphia, 2020.</li> <li>4. Human Embryology &amp; Developmental Biology Carlson BM. 6th ed. Mosby Elsevier, Philadelphia, 2018.</li> <li>5. Histoloji. Hücre, Doku, Sistemler, Teknikler-Moleküller-Laboratuvar-Klinik Yönleriyle Yaklaşımlar. Editör: M. KURUŞ. Akademisyen Kitapevi, 2020.</li> <li>6. Genel Histoloji-Özel Histoloji. Eşrefoğlu Mukaddes. İstanbul Tıp Kitapevi, 2016.</li> <li>7. Klinik Yönleriyle İnsan Embriyolojisi. Moore Kieth L. (Çeviri editörü: H. Dalçık). Nobel Tıp Kitapevi, 2016.</li> </ol> <p><b>Medical Microbiology</b></p> <ol style="list-style-type: none"> <li>1. Warren Levinson Tıbbi Mikrobiyoloji ve İmmünoloji 2017 14. Baskı</li> <li>2. Abul K. Abbas, Andrew H. Lichtman : Temel İmmünoloji;</li> <li>3. Warren Levinson Review of Medical Microbiology Immunology 16th Ed 2016</li> </ol>
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	<ol style="list-style-type: none"><li>4. Jawetz, Melnick ve adelberg Tıbbi Mikrobiyoloji 2014; Doan T, Melvold R</li><li>5. Lippincot İmmünoloji 2014</li></ol>
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# ASSESSMENT and EVALUATION

## PHASE 2 COMMITTEE 1 EXAM SCHEDULE

<b>Phase 2 Committee 1 Exam Schedule</b>
<b>Theoretical Examination:</b> 21 September 2022 Friday 10.30
<b>Practical Examination(s):</b>
<b>Histology And Embryology Laboratory Exam:</b> 19 October 2022 08.30-12.00
<b>Anatomy Laboratory Exam:</b> 19 October 2022 13.30-17.20
<b>Medical Microbiology Laboratory Exam:</b> 20 October 2022 08.30-12.20

## PHASE 2 COMMITTEE 1 QUESTION DISTRIBUTION

2022-2023 Academic Year Phase 2 Committee 1 Question Distribution	
Lessons	Number of questions
Anatomy	33
Histology and Embryology	30
Physiology	15
Medical Biochemistry	19
Medical Biochemistry	3
<b>TOTAL</b>	<b>100</b>

## ASSESSMENT AND EVALUATION IN COMMITTEE EVALUATION EXAM

COMMITTEE EXAM EVALUATION		
Activities	Number	Value (%)
Practice exam	One for each lesson	It will be announced at least one week before the exam.
Anatomy	The application method of the Practical Exams is determined by the	
Histology-Embryology		

	relevant Department.	
<b>Oral exam</b>	There is no oral examination in this committee.	-
<b>Written exam</b> <b>(Theoretical Exam: Multiple choice exam)</b>	1	It will be announced at least one week before the exam
<b>Total</b>		<b>100</b>

### COMMITTEE EXAM SPECIFICATION TABLE

COMMITTEE EXAM SPECIFICATION TABLE				
	Objective	Training method	Evaluation method	Exam score distribution
1	To be able to classify the types of muscles, be able to count their functions	T, P	MCE, PE	3
2	To be able to explain head-neck, back, upper-lower extremity muscles and fascia, vessels and nerves, origo and insertios theoretically and on a cadaver-model.	T, P	MCE, PE	31
3	To be able to discuss peripheral nerve injuries and their clinical reflections.	T, P	MCE, PE	6
4	To be able to tell the cells of epithelial and glandular tissue, cell shapes, cells of connective tissue, types, connective tissue elements, types of cartilage, bone and blood tissues, functional properties of cells and their locations.	T, P	MCE, PE	8
5	To be able to count the types of muscle tissue, the elements that make up the muscle tissue, the differences between muscle types and their contraction mechanisms.	T, P	MCE, PE	6
6	To be able to classify nervous tissue, to be able to define cells, general characteristics and functions of cells.	T, P	MCE, PE	6
7	To be able to explain the basic features of stem cells and their use in the clinic.	T	MCE	4
8	To be able to describe the physiological properties of cell membranes	T	MCE	2
9	To be able to explain the generation and conduction of the cell action potential and local potential.	T	MCE	3
10	To be able to describe the contraction-relaxation mechanisms of the muscle, the structure and conduction physiology of the motor nerve cell.	T	MCE	3

11	To be able to explain the components of blood, its physical and functional properties, to be able to describe the structure, content, functions of plasma and the substances that mediate these functions.	T	MCE	2
12	To be able to discuss the causes and consequences of erythrocyte deficiency or excess, and to be able to discuss bleeding-coagulation mechanisms and the role of blood cells in the development of these mechanisms.	T	MCE	2
13	To be able to distinguish leukocyte types, to be able to count blood groups, to be able to interpret erythrocyte-reticulocyte, hemoglobin, hematocrit, sedimentation, bleeding and coagulation tests.	T	MCE	2
14	To be able to explain the biochemical mechanisms of connective tissue, to be able to define the sources of free radicals and antioxidant systems in the body, and to be able to discuss the oxidant damage of these radicals in the tissues.	T	MCE	4
15	To be able to explain and classify basic information about microbiology and microorganisms.	T, P	MCE, PE	4
16	To be able to define and apply sterilization, disinfection and antisepsis methods and usage areas.	T, P	MCE, PE	4
17	To be able to explain the fields of interest, basic diagnostic methods and usage purposes of medical microbiology.	T, P	MCE, PE	4
18	To be able to explain the basic structure and functions of bacteria of medical importance.	T, P	MCE, PE	3
19	To be able to discuss the human microbiome and its effects on human health.	T, P	MCE, PE	3

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



## COURSE CONTENT OF THE COMMITTEE

<b>Course content</b>	<b>Department of Anatomy</b> <ol style="list-style-type: none"> <li>1. General knowledge about muscle</li> <li>2. Muscle of Face and Scalp</li> <li>3. Practices, Muscle of Face and Scalp</li> <li>4. Muscle of back</li> <li>5. Muscle of shoulder and back of arm</li> <li>6. Muscle of anterior compartment of arm and breast</li> <li>7. Axillary fossa</li> <li>8. Back of forearm</li> <li>9. Anterior compartment of forearm , cubital fossa</li> <li>10. Anatomy of hand</li> <li>11. Brachial plexus</li> <li>12. Veins and arteries of upper limb</li> </ol>
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13. Suboccipital and intrinsic back muscles
14. Gluteal Region
15. Anterior and medial Thigh Muscles
16. Posterior and lateral Thigh Muscles and Popliteal Region
17. Posterior Compartment of Leg
18. Anterior and lateral Compartment of Leg
19. Lumbosacral Plexus
20. Anatomy of Foot
21. Veins and arteries of Lower Limb

#### **Department of Medical Biochemistry**

1. Biochemistry of Connective tissue
2. Free Radicals & Oxidant Damage in Tissues

#### **Department of Physiology**

1. Homeostatic Mechanisms, Physiologic Control Systems of the Body
2. Dynamics of the Cell Membrane, Body Fluid Compartments and Characteristics
3. Bioelectrical Potentials: Resting Membrane Potential, Local Potential
4. Bioelectrical Potentials: Action Potential
5. Skeletal Muscle Contraction: Characteristics of Skeletal Muscle, Neuromuscular Junction
6. Skeletal Muscle Contraction: Muscle Contraction Mechanism
7. Mechanical Properties of Muscles, Energy and Heat Generation of Muscle
8. Physiology of Smooth Muscle
9. Functions of Blood, Physical and Chemical Properties
10. Production of Erythrocyte and Its Function Hematopoiesis, Erythropoiesis
11. Hemoglobin and Iron Metabolism
12. Erythrocyte Destruction and Metabolism, Anemias
13. Blood Groups and Transfusion
14. Thrombocytes Function,
15. Blood Clotting, Anticlotting Mechanisms
16. Leukocytes, Nonspecific Immune Response
17. Lymphoid tissue, Cytokines
18. Hemogram and Sedimentation Tests, Leukocyte Formula
19. Bleeding Time - Coagulation Tests
20. Neurotransmitters and Receptors in the Autonomic Nervous System
21. Motor Functions of Autonomic Nervous System

#### **Department of Histology and Embryology**

1. Introduction to Tissues
2. Epithelial Tissue
3. Connective Tissue and Extracellular Matrix
4. Cartilage
5. Bone
6. Bone Formation
7. Connective, Cartilage and Bone Tissue
8. Blood Tissue
9. Hemopoiesis

	10. Muscle Tissue 11. Introduction to Systemic Embryology 12. Development of Skeletal and Muscular Systems; Limb Development 13. Nerve Tissue 14. Blood and Nerve Tissue 15. Basic Properties of Stem Cells and Their Clinical Use  <b>Department of Medical Microbiology</b> 1. Introduction to Microbiology 2. Microbiology and Life 3. Introduction to Medical Microbiology 4. Sterilization, Disinfection and Antisepsis 5. Biosafety and Sterilization Control 6. Structure and classification of bacterial cells 7. Bacterial genetics 8. Bacterial growth and Metabolism 9. Bacterial virulence factors 10. Human microbiota 11. Microscope, Dyes and Growth Medias 12. Molecular Microbiological Diagnostic Methods
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## THE RELATIONSHIP WITH THE LEARNING OBJECTIVES AND THE ACTIVITY IN THE TRAINING PROGRAM

PHASE 2 COMITEE 1 THE RELATIONSHIP WITH THE AIMS AND OBJECTIVES AND THE ACTIVITY IN THE TRAINING PROGRAM			
	Activity Included in the Training Program	Learning Objectives (LO)	Evaluation Method
	<b>Department of Anatomy</b>		
1	General information about muscles	1	T,P
2	Facial anatomy, scalp	2,3	T,P
3	Back area, superficial back muscles	2,3	T,P

4	Shoulder-back arm region	2,3	T,P
5	Shoulder, forearm, breasts	2,3	T,P
6	Fossa Axillaris	2,3	T,P
7	Forearm posterior region	2,3	T,P
8	Forearm anterior region, fossa cubiti	2,3	T,P
9	Hand Anatomy	2,3	T,P
10	Plexus Brachialis	2,3,4,6	T,P
11	Upper extremity vein, lymph	2	T,P
12	Suboccipital region, deep back muscles	2,3	T,P
13	Gluteal Region	2,3	T,P
14	Anterior-medial region of the thigh	2,3	T,P
15	Posterior-lateral region of the thigh, fossa poplitea	2,3	T,P
16	Back of the leg	2,3	T,P
17	Anterior-lateral region of the leg	2,3	T,P
18	Plexus lumbosacralis	2,3,4,6	T,P
19	Foot anatomy	2,3	T,P
20	Lower extremity arteries, veins and lymphatics	2,3	T,P
	<b>Department of Medical Biochemistry</b>		
21	Connective tissue biochemistry	14	T
22	Free radicals and oxidant damage to tissues	14	T
	<b>Department of Physiology</b>		
23	Physiological Control Systems and Homeostasis	8	T
24	Cell Membrane Dynamics, Body Fluid Compartments and Properties	8	T
25	Bioelectric Potentials: Resting Membrane Potential, Local Potentials	9	T
26	Bioelectric Potentials: Action Potential	9	T
27	Contraction in Skeletal Muscle: Properties of Skeletal Muscle, Neuromuscular Junction	9,10	T
28	Contraction in Skeletal Muscle: The Mechanism of Muscle Contraction	9,10	T
29	Mechanical Properties of Muscles, Energy and Heat Production of Muscles	9,10	T
30	Smooth Muscle Physiology	9,10	T
31	Functions, Physical and Chemical Properties of Blood	11	T
32	Erythrocyte Structure and Functions, Hematopoiesis, Erythropoiesis	11	T
33	Hemoglobin and Iron Metabolism	11	T
34	Erythrocyte Destruction and Metabolism, Anemias	11,12	T
35	Blood Groups and Transfusion	13	T
36	Platelet Functions, Coagulation and Anticoagulant Mechanisms	13	T
37	Leukocytes, Nonspecific Immune Responses	13	T
38	Lymphoid tissue, Cytokines	13	T
39	Hemogram and Sedimentation Tests, Leukocyte Formula	13	T
40	Bleeding Time - Coagulation Tests, Blood Types	13	T
41	Neurotransmitters and Receptors in the Autonomic Nervous System	10	T
42	Motor Functions of the Autonomic Nervous System	10	T
	<b>Department of Histology and Embryology</b>		
43	Introduction to textures	4	T,P
44	epithelial tissue	4	T,P
45	Connective tissue and extracellular matrix	4	T,P
46	Cartilage Tissue	4	T,P

47	Bone Tissue	4	T.P
48	Ossification	4	T.P
49	Bone and muscle development; limb development	4	T.P
50	hematopoiesis	4	T.P
51	muscle tissue	5	T.P
52	Nervous Tissue	6	T.P
53	Basic Properties of Stem Cells and their use in the clinic	7	T
<b>Department of Medical Microbiology</b>			
54	Introduction to Microbiology	15	T.P
55	Microbiology and Life	15	T.P
56	Introduction to Medical Microbiology	15	T.P
57	Sterilization, Disinfection and Antisepsis	16	T.P
58	Biosafety and Sterilization Control	15,17	T.P
59	Bacterial Morphology and Classification	18	T.P
60	Bacterial Genetics	18	T.P
61	Bacterial Metabolism	18	T.P
62	Bacterial Virulence Factors	18	T.P
63	The Human Microbiome	19	T.P
64	Microscope, Dyes and Media	17	T.P
65	Molecular Microbiological Diagnostic Methods	17	T.P

**T: Theoretical, P: Practical**

## **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 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.